

FINAL

**ENVIRONMENTAL CONDITION OF
PROPERTY REPORT**

**LEISY HALL AND AMSA 79 - FORT LAWTON
U.S. ARMY RESERVE CENTER (WA030)
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON 98199**

Prepared For:

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APRIL 2007

CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DOD) requirements for completion of an Environmental Condition of Property (ECP) Report.

LTC DOUGLAS D. WILLETTS
Environmental Division ARIM
Environmental Division Chief
70th Regional Readiness Command

DATE

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.



April 23, 2007

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DATE

EXECUTIVE SUMMARY

Lawhon & Associates, Inc. (Lawhon) in conjunction with Fuller, Mossbarger, Scott and May Engineers, Inc. (FMSM), under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the Leisy Hall and Area Maintenance Support Activity 79 (AMSA 79) – Fort Lawton U.S. Army Reserve (USAR) Center (Facility ID WA030), hereafter referred to as the “Site” or “USAR Center”. The Site is located at 4570 Texas Way West, Seattle, King County, Washington, and encompasses approximately 6 acres. The land has been leased by the USAR from the City of Seattle, WA since October 1972.

This ECP Report was conducted in conformance with the primary Department of Defense and Army guidance, the Department of Defense’s Base Redevelopment and Realignment Manual, DoD 4165.66-M (BRRM), Army Regulation 200-1, and the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*.

This ECP Report details the history of the Site, including the Army Reserve use of the Site, any prior uses by earlier tenants or lessors, and the resulting environmental condition of the property. This ECP Report was based on readily available information and describes the environmental condition of the property at the time of termination of the lease.

The USAR Center consists of two adjacent areas which are separated by a roadway and encompasses approximately 6 acres. Leisy Hall is a 67,700 square foot, two-story administration building, and AMSA 79 is a 6,400 square foot, single-story building. The USAR Center is currently occupied by the 70th Regional Readiness Command (RRC).

Based on personnel interviews, aerial photographs, and United States Geological Survey (USGS) topographical maps dating back to 1897, the Site was developed for military use (barracks and warehouses) during World War II. Leisy Hall and the AMSA 79 buildings are located in a larger area commonly referred to as the Fort Lawton Main Area. Both Leisy Hall and the AMSA 79 building were constructed in 1972. An addition was constructed onto Leisy Hall in 1976.

Areas of potential environmental concern were reviewed and Lawhon found no adverse conditions relating to the environmental condition of the property during the USAR usage of the Site. No reportable quantities of hazardous substances have been stored at the Site and no spills or releases were documented or reported.

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LIST OF ACRONYMS

ACM	Asbestos Containing Material
AIRS	Aerometric Information Retrieval System
AMSA	Area Maintenance Support Activity
AR	Army Regulation
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
C-DOCKET	Criminal Docket System
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQGs	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations
CSCSL	Confirmed & Suspected Contaminated Sites List
DERP	Defense Environmental Restoration Program
DOCKET	Enforcement Docket
DOD	Department of Defense
DRMO	Defense Reutilization and Marketing Office
EA	Environmental Assessment
E2M	Engineering-Environmental Management, Inc.
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
FEMA	Federal Emergency Management Agency

FFIS	Federal Facilities Information System
FINDS	Facility Index System/Facility Registry System
FLARC	Fort Lawton Army Reserve Complex
FMSM	Fuller, Mossbarger, Scott and May Engineers, Inc.
FURS	Federal Underground Injection Control
kg	Kilogram
Hazmat	Hazardous Materials
HSWA	Hazardous and Solid Waste Amendments
ICI	ICI, LLC (Contractor to the 70 th Regional Readiness Command)
ICR	Independent Cleanup Reports
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resources Management Plan
KPFF	KPFF Consulting Engineers
Lawhon	Lawhon & Associates, Inc.
LBP	Lead Based Paint
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank
MEC	Munitions and Explosives of Concern
MEP	Military Equipment Parking
NEPA	National Environmental Policy Act
NFA	No Further Action
NHPA	National Historic Preservation Act
OMS	Organizational Maintenance Shop

OWS	Oil/Water Separator
PADS	PCB Activity Data System
PAS	Performance Abatement Services
PCBs	Polychlorinated Biphenyls
pCi/l	PicoCuries per Liter of Air
PCS	Permit Compliance System
POL	Petroleum, Oil, and Lubricant
POV	Privately-Owned Vehicle
PSE	Puget Sound Energy
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RQ	Reportable Quantity
RRC	Regional Readiness Command
Site	U.S. Army Reserve Center (WA030)
SQGs	Small Quantity Generators
STATE	State Environmental Laws and Statute
STATSGO	State Soil Geographic Database
SOW	Scope of Work
SPCCP	Spill Prevention Control and Countermeasures Plan
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, or Disposal
TPH	Total Petroleum Hydrocarbons
UPS	Uninterruptible Power Source

USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USARC	United States Army Reserve Center
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UXO	Unexploded Ordnance
VCP	Voluntary Cleanup Program
WDOE	State of Washington Department of Ecology

1.0 INTRODUCTION

Lawhon, in conjunction with FMSM was contracted by the USACE – Louisville District to prepare an ECP Report for the Leisy Hall and AMSA 79 – Fort Lawton U.S. Army Reserve (USAR) Center (Facility ID WA030). The facility is located at 4570 Texas Way West, Seattle, King County, Washington, and is hereafter referred to as the “Site” or “USAR Center”. In support of the ECP Report, a site visit was conducted on August 29, 2006. The purpose of the site visit was to visually obtain information indicating the environmental condition of property during the USAR lease of the Site.

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense’s policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the public with information relative to the environmental condition of the property;
- Assist in community planning for the reuse of Base Realignment and Closure (BRAC) property;
- Assist Federal agencies during the property screening process;
- Provide information for prospective buyers;
- Assist prospective new owners in meeting the requirements under EPA’s “All Appropriate Inquiry” regulations;
- Provide information about completed remedial and corrective actions at the property;
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated

hazardous substances have been stored on the property for 1 year or more – specifically, quantities exceeding 1,000 kilograms or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or 1 kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP Report address asbestos, lead-based paint, radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

1.2 SCOPE OF SERVICES

This ECP report covers the approximate 6-acre USAR Center located at 4570 Texas Way West, Seattle, King County, Washington 98199. The Site is developed with an administration building (Leisy Hall) and an AMSA 79 building. Army Reserve building number designations for Leisy Hall and the AMSA 79 building are 220 and 222, respectively. These buildings are situated in a larger area commonly referred to as the Fort Lawton Main Area. The Main Area consists of numerous other Army Reserve structures that are not part of the area assessed for the purpose of this ECP Report. Site maps are provided in Appendix A. Appendix B provides photographs taken during the August 2006 Site visit. Appendix C provides chain of title and environmental lien information. Historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) reports.

2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

2.1 SITE LOCATION

The USAR Center is located in the northwest portion of King County, Washington, within the city limits of Seattle, Washington. The Site is located in a primarily residential and public park area. Figure 1 in Appendix A provides a general site location map.

2.2 ASSET INFORMATION

Facility Name and Address: Leisy Hall and AMSA 79 - Fort Lawton U.S. Army Reserve Center (WA030)
4570 Texas Way West
Seattle, Washington 98199

Property Owner: City of Seattle, WA

Date of Lease: October, 1972

Current Occupant: 70th Regional Readiness Command

Zoning: *SF7200: Residential

County, State: King County, Washington

USGS Quadrangle(s): Shilshole Bay, Washington

Section/Township/Range: Section 10, Township 25 North, Range 3 East

Latitude/Longitude: 47° 39' 38.8" N; 122° 24' 14.6" W

Legal Description: Being that parcel or tract of land, known as the AMSA No. 79, situated and lying in Section 15, Township 25 North, Range 3 East in the City of Seattle, King County, State of Washington. Assessor's Parcel Number: 1525039012 (portion)

*Obtained from the City of Seattle Department of Planning and Development's website. According to the Environmental Assessment (EA) Report for the Relocation and Replacement of Army Reserve Facilities at Fort Lawton (dated March 1997) (Section 3.5.1), the City of Seattle does not have special zoning designations for park or institutional land uses.

2.3 PHYSICAL DESCRIPTION

The USAR Center consists of approximately 6 acres and is a portion of a larger parcel (Figure 2 in Appendix A). The Site consists of an administration building, known as Leisy Hall, and the AMSA 79 building, a vehicle and maintenance service facility. Both buildings are of concrete block construction with decorative aggregate rock and mortar exteriors with built-up sloped roofing systems on concrete slab. Leisy Hall and the AMSA 79 buildings are located in a larger area commonly referred to as the Fort Lawton Main Area. The Main Area consists of numerous other structures that are not part of the area assessed for the purpose of this ECP report. Generally, Leisy Hall and AMSA 79 are situated in the central and eastern central portions of the Fort Lawton Main Area. Figure 2 in Appendix A provides a current plan view layout of the Site. Appendix B also provides photographs taken during the August 2006 Site visit.

Leisy Hall is a two-story structure that is approximately 67,700 square feet constructed in 1972 with a subsequent addition in 1976. Photograph 1 in Appendix B provides a front (north) view of the exterior of the building. Photograph 2 in Appendix B provides a view of the eastern exterior. Photograph 3 in Appendix B provides a view of Leisy Hall from the south looking north. A generator and 4000 gallon diesel aboveground storage tank (AST) are situated on the southern exterior of the Leisy Hall along with a grease trap (Photographs 4 and 5 in Appendix B). An inactive freight elevator is also located on the southern exterior of Leisy Hall (Photograph 6 in Appendix B). Leisy Hall contains administrative offices, an assembly drill hall, conference rooms, kitchen, and a computer server room. A locked weapons vault is also located within the administration building. Site personnel indicated that small quantities of small arms ammunition were stored in the arms vault. Photographs 8 through 11 in Appendix B provide interior views of Leisy Hall. Figures 3 and 4 in Appendix A provide interior layouts of Leisy Hall.

The AMSA 79 building (Photograph 12 in Appendix B) is situated west of Leisy Hall and consists of an approximately 6,400 square foot single-story structure. The AMSA 79 building was also constructed in 1972 and based on review of historical documents reviewed for this ECP Report, has also been referred to as the AMSA 7 or AMSA 7G. Photograph 14 in Appendix B provides a front (west) view of the exterior of the building. Photograph 13 in Appendix B provides a view of the southern and eastern exteriors. The AMSA 79 contains five vehicle service bays, an office area, parts room, battery storage room, and break room. Five overhead metal, retractable doors are located on the west wall of the AMSA 79. Photographs 25 through 34 in Appendix B show the interior of the AMSA 79. Figure 5 in Appendix A provides a layout of the interior of the AMSA 79 building. One 200 gallon capacity AST utilized to store hydraulic fuel for a hydraulic oil powered vehicle lift is situated in a storage room of the AMSA 79 building.

A Hazmat Storage Structure (Photograph 19 in Appendix B) and two portable Hazmat Storage Sheds (Photographs 15 and 18 in Appendix B) are situated along the western

perimeter of the AMSA 79 portion of the Site. One 500-gallon capacity AST utilized for the storage of used oil collected in maintenance operations is located within one of the portable Hazardous Materials (hazmat) storage. A former petroleum, oil, and lubricant (POL) Storage Shed constructed of concrete with an attached lean-to (Photograph 20 in Appendix B) constructed of a corrugated metal roof and enclosed with a chain link fence are situated along the south central perimeter of the AMSA 79 portion of the Site. A portable plastic drum unit is also located along the southern perimeter of the AMSA 79 portion of the Site. The northern half of the AMSA 79 portion of the Site contains a military equipment parking (MEP) area. A chain-link security fencing encloses the AMSA 79 portion of the Site. Approximately 90% of the Site is covered by impervious surface features (e.g., asphalt parking areas, driveways, concrete walkways, building footprints, etc.). The remaining ground surface is covered by lawn, gravel and a sparse population of landscape shrubs and trees.

Topographically, the area in the vicinity of the Site slopes towards the north-northeast. The asphalt paved parking lot areas north and east of Leisy Hall were graded to direct surface runoff toward an oil/water separator (OWS) (Photograph 7 in Appendix B) located in the northeastern portion of the privately owned vehicle (POV) area. A second smaller parking lot situated northeast of Leisy Hall also was graded to direct surface water to an OWS. Two OWSs are affiliated with the AMSA 79 portion of the Site. One of the OWSs is associated with the wash rack located north of the AMSA 79 building (Photograph 22 in Appendix B). The second OWS (Photograph 23 in Appendix B) is located in the sidewalk area just outside of the fenced area northeast of the AMSA 79 portion of the Site. Surface water in the area of the AMSA 79 portion of the Site is directed toward the north to the drain located at the wash rack area or to a storm drain located on the northeastern portion of the MEP area. According to information contained in a Draft Survey of Drains, Pollution Control Equipment, and Discharge Points for Leisy Hall United States Army Reserve Center (USARC) and AMSA 79, prepared in September 2004 (Sections 3.5.3 and 3.5.4) water that passes through the OWS systems is ultimately discharged through the City of Seattle maintained sewer system that reportedly drains to the Puget Sound. (Note: The 2004 Draft Survey of Drains, Pollution Control Equipment, and Discharge Points states that OWS1 and OWS3 discharge to the city storm sewer. The text for OWS2 states it discharges into the city sanitary sewer, but a figure shows that it discharges to the city sanitary sewer. The text for OWS4 states that it discharges to the city storm sewer, but the figure shows that it discharges to the city sanitary sewer. No additional information is provided.) In addition, the report states The OWS systems are reportedly inspected and serviced by an outside contractor when needed, which is approximately once a year.

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Figure 6 in Appendix A provides a portion of the 1983 Shilshole Bay, Washington, United States Geological Survey (USGS) topographic map which includes the Site. As shown, the Site is situated atop Magnolia bluff above the Shilshole and Salmon Bays, at an elevation ranging between approximately 100 and 165 feet above mean sea level with the highest point to the southwest sloping north-northeasterly. Surface water runoff at the Site is directed towards drains situated north of the AMSA 79 building and in the POV areas located north of Leisy Hall. Additional information concerning the drains at the Site is discussed below in Sections 3.5.3 and 3.5.4. Surface water reportedly discharges to the City of Seattle maintained storm sewer system.

No surface water features are located in the immediate vicinity of the Site. Salmon Bay and Shilshole Bay are located approximately 1,000 feet north and approximately 3,000 feet northwest of the northernmost point of the Site, respectively. These waterways lead to the Puget Sound which is situated approximately 0.75-mile to the northwest-west of the Site.

According to the EDR Report which references the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 53033C0320F, the Site is not included in either the 100-year flood plain elevation or the 500-year flood plain elevation. Figure 7 in Appendix A provides a map depicting the extent of the nearest 100-year flood plain in relation to the Site.

2.4.2 Geology/Hydrogeological Characteristics

Geology information was obtained from a report prepared for the 70th reserve installations in Washington called the Integrated Cultural Resources Management Plan (ICRMP) which is summarized in Section 3.5.12. The Puget Trough, which lies in the western Washington area, is described to contain lake beds, alluvium, and glacial deposits. The deposits are weathered and are parent material for Red and Yellow Podzols and are dated pre-Wisconsin in age. The Wisconsin and younger deposits are parent material for Gray-Brown Podzols. The soils that are situated along the Puget lowland and foothill areas were glacially deposited. Soils with a silica-cemented hardpan that impedes drainage and root penetration occur on gravelly till deposits. Excessively drained, coarse textured soils with low water-holding capacity occur in sandy and gravelly outwash deposits. Fine textured, poorly drained soils occur in silty and clayey lake and marine deposits. On the floor of depressions in the glacial drift, soils are poorly drained and have accumulations of organic matter.

The Site is located on Magnolia bluff, and the sediments that comprise the bluff are glacial outwash (sand and gravel mixtures) and till deposits (dense clay, silt, sand and gravel mixtures).

According to information in the EDR Report acquired from the Soil Conservation Service's (Natural Resource Conservation Service) State Soil Geographic Database (STATSGO) for King County, Washington, specific types of soil at the Site are from the Pilchuck Series. According to information provided in the EDR Geotcheck Report, this soil does not meet the requirements for a hydric soil.

The surface soil consists of loamy sand described to have slow infiltration rates with layers impeding downward movement of water, or soils with moderately fine or fine textures. In a typical profile, the surface layer extends to a depth of approximately 20 inches, beneath which is sand to approximately 38 inches, underlain by gravelly sand to 60 inches, below which are fine sandy loams extending to depths of approximately 70 inches.

Groundwater flow direction for the immediate Site vicinity has not been reported, however, based on the local topography is expected to flow in a north-northeasterly direction towards Shilshole and Salmon Bays.

2.5 SITE UTILITIES

Water Service – The City of Seattle provides potable water service to the Site.

Sanitary Sewer System – The City of Seattle provides sanitary sewer service to the Site. The primary source of wastewater that is directed to the city sewer system includes non-process wastewater (bathrooms, sinks, etc.). Stormwater drains off-site to the City stormwater sewer system.

Gas & Electric – Puget Sound Energy (PSE) and Seattle City Light provides natural gas and electric service to the Site, respectively.

2.6 WATER SUPPLY WELLS & SEPTIC SYSTEMS

Based upon a review of available historical site and agency records and interviews with site personnel, neither a water supply well nor a septic system is or was located at the Site.

A search of Federal and State water well databases in the EDR Report identified thirteen wells located within a 1 mile radius of the Site. None of the wells are directly adjacent to the Site. The purpose of the wells includes private, irrigation, industrial and observation. No public water supply wells are located within 1 mile of the Site.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

A Historical Chain of Title Report provided by EDR (Appendix C) indicates that the "United States of America acquired title to the lands comprising Fort Lawton from eighteen (18) separate deeds in the late 1800s." According to information provided in the chain of title report, a large portion (approximately 390.9 acres) of lands, within Fort Lawton were conveyed to the City of Seattle on October 6, 1972. EDR also provided an Environmental Lien Report (Appendix C) that indicates there have been no reported use limitations nor any environmental liens filed against the Site.

Available business directories including City, cross-reference, and telephone directories were reviewed, if available, at select years from 1920 through 2005. According to a City Directory provided by EDR and dated July 21, 2006, no addresses were listed along Texas Way West. It should be noted, that based on information contained in the 1997 EA Report, that improvements to the easterly adjoining 36th Avenue West were proposed. Improvements included blocking off the entrance drives to the USARC thereby making Texas Way West the main roadway access to the Main Area of Fort Lawton. Addresses historically associated with the Site are 4515 36th Avenue West (Leisy Hall) and 4575 36th Avenue West (AMSA 79 building). The present day Site address associated with Leisy Hall (4570 Texas Way West) was the address that was utilized in requesting EDR database reports. A copy of the City Directory is included in Appendix E.

3.2 PAST USES AND OPERATIONS

According to the 1997 EA Report (Section 3.5.2) and review of USGS topographic maps, prior to construction of the existing on-Site buildings, the Site vicinity was developed for military use (barracks and warehouses) during World War II.

The existing Site buildings were constructed in 1972, with an addition to the eastern portion of Leisy Hall in 1976. Based on interviews conducted with facility personnel, Leisy Hall underwent extensive renovations within the last ten years. Evidence of interior renovations within the office portion of the AMSA 79 building was observed during the August 2006 Site reconnaissance. According to facility personnel, operations conducted at the Site have generally remained the same since its development in 1972. Prior to the tenancy of RRC and administrative personnel at Leisy Hall, it was occupied by the 50th General Hospital Reserve Unit, a Dental Unit and other units to support Fort Lawton.

According to Site personnel, currently and historically, the AMSA 79 has been used to perform limited maintenance activities on military vehicles and equipment. Activities inside the AMSA 79 include general vehicle servicing such as performing oil changes

and preventative maintenance checks. The former POL Storage Shed was constructed in approximately 1972 and its use was discontinued in approximately 1990 when the existing POL Hazmat Storage Structure was constructed.

According to information provided by the 70th RRC, the previous wastewater systems discharged to the City of Seattle maintained storm sewer system. The current OWS systems were reportedly installed in approximately 1993 to treat runoff from the wash rack and MEP area on the AMSA 79 portion of the Site and the POV areas around Leisy Hall where higher concentrations of oil might be expected.

Historical documents, personnel interviews and historical aerial photographs and topographic maps were the primary sources of information on the past use and operations at the Site. Figure 6 and Figures 8 through 14 in Appendix A provide USGS topographical maps and aerial views of the Site and surrounding areas in 1897, 1909, 1949, 1968, 1977, 1985, and 1990.

The 1897 USGS topographical map (Figure 8 in Appendix A) does not show development on the Site or in the immediate site vicinity. The 1909 USGS topographical map (Figure 9 in Appendix A) shows the Site area labeled as Fort Lawton a few small structures are depicted in the vicinity of the Site. The 1949 USGS topographical map (Figure 10 in Appendix A) shows numerous structures and roadways on and in the vicinity of the Site which correlates to documented records indicating that the Site area was developed with barracks and warehouse type buildings during World War II.

The 1968 USGS topographic map (Figure 11 in Appendix A) is generally unchanged relative to the previous map with the exception that there are no longer any structures in the vicinity of the present day location of the western parking lot.

The 1977 aerial photograph (Figure 12 in Appendix A) shows the Site developed with the existing Site structures, Leisy Hall and the AMSA 79 building. The area just north of the AMSA 79 and west of Leisy Hall is developed with the western parking lot.

The 1983 USGS topographic shows buildings configured similar to the existing Site buildings. No significant changes to the Site in the 1985 and 1990 aerial photographs (Figures 13 and 14 in Appendix A) were noted relative to the 1977 photograph. It should be noted that the 1990 aerial appears to be overexposed.

3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with Army Reserve personnel.

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closets located in Leisy Hall. From approximately 1972 through 1990, POL products were stored within the former POL Storage Shed or in a designated area within the AMSA 79 building. After 1990, these products were stored in a newly constructed Hazmat Storage Structure, in one of the two portable Hazmat Storage Sheds, in a portable drum storage container noted on the southern central perimeter of the AMSA 79 portion of the Site or in a designated area within the AMSA 79 building.

Certain types of chemical products historically used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding reportable quantities.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available site records, search of federal and state environmental databases, and interviews with Army Reserve personnel. According to Army Reserve personnel and site records, on-Site disposal of hazardous materials or wastes has not occurred at the Site. No stained soil or stressed vegetation was observed during the August 2006 Site visit. Additionally, the MEP and POV parking areas only showed very minor signs of staining and no noxious or foul odors were noted during the Site visit.

3.4 PAST PRESENCE OF BULK PETROLEUM STORAGE TANKS

No evidence of current USTs were observed during the 2006 Site reconnaissance. Site records (Section 3.5.1) and records from the Washington Department of Ecology (WDOE) (Section 5.2.2) indicate that three USTs were removed in 1990. According to Site personnel, a former fuel island area was situated on the northwestern corner of the AMSA 79 portion of the Site, where one gasoline UST, one diesel UST and two dispenser areas were located. Site personnel also indicated that the third UST was

utilized for waste oil storage, and was situated on the southern central perimeter of the AMSA 79 portion of the Site, in the unpaved area near the existing lean-to structure.

The approximate locations of the former USTs are depicted in Figure 2 in Appendix A and Photograph 24 in Appendix B shows the yard area where the two former fuel dispensing USTs were located.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

A review of site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 September 1991, Final Report Work Order UST Removal, Cleaning, and Disposal of Underground Storage Tanks and Corrective Action

Pegasus Environmental Management Services, Inc., prepared this report (dated September 15, 1991) for various USARC properties throughout Washington and Oregon. Based on the general information contained in this report, two USTs were removed from the 'Leisy' area of the Site in October 1990. Based on information provided to Lawhon during the Site reconnaissance, and the WDOE UST database information contained in the EDR report, a total of three UST's were removed. It is believed that the two UST's reference in the Pegasus report were a gasoline and diesel tanks in the area of the AMSA 79 building. According to the report, the USTs were removed, cleaned and transported to an off-site location for proper disposal. No "visual or olfactory evidence of soil contamination" was reported and no groundwater was encountered during the excavation activities. Analysis of samples after excavation showed no total petroleum hydrocarbons (TPH) detected or levels well below the WDOE action levels at the time of tank removal.

Other ancillary documentation related to the removal of USTs provided by facility personnel include a fax transmission and payment records related to the City of Seattle removal permit. A brief discussion of these documents is presented below and copies are provided in Appendix D.

A copy of a Department of the Army fax transmission (dated April 16) contains "Notice of Permanent Closure" of UST(s) forms for two "site numbers" 000607 and 008724 that are related to two former Site addresses 4575 36th Avenue West and 4515 36th Avenue West Building 220, respectively. Based on information collected from facility personnel and review of a facility layout figure for the Main Area of Fort Lawton, 4575 36th Avenue West is associated with the AMSA 79 building and 4515 36th Avenue West Building 220 is associated with Leisy Hall. These addresses correlate to the UST database listings in the EDR Report (Section 5).

A copy of an invoice from the Seattle Fire Department (dated October 15, 1990) was also provided to Lawhon. Attached to the invoice document is a "Temporary Underground Tank Removal/Abandonment Permit" indicating that Pegasus, as a sub-contractor to the US Army Corps of Engineers was to remove one 4,000 gallon diesel UST and one 2,000 gallon gasoline UST. A Department of the Army Memorandum for Leisy Hall, 4515 36th Avenue West Building 220, indicates that payment should be initiated to the Fire Department for removal permit fees. It appears that documentation related to the removal of USTs at the AMSA 79 portion of the Site was recorded under both the former address related to the AMSA 79 building and the former address related to Leisy Hall.

3.5.2 March 1997, Environmental Assessment for the Relocation and Replacement of Army Reserve Facilities at Fort Lawton

This report was prepared by the USARC in conjunction with the 70th RRC, to evaluate potential environmental effects pursuant to the National Environmental Policy Act (NEPA) associated with the proposed Fort Lawton improvements. The 1997 EA Report includes information related to the evaluation of potential environmental effects associated with the proposed relocation and replacement of Army Reserve facilities in the Main Area due to the substandard conditions of the former 500 Area of Fort Lawton. Information pertinent to the Site's development obtained from the 1997 EA Report include a general historical summary of Fort Lawton; proposed improvements to 36th Avenue West (thereby eliminating access to Leisy Hall via this roadway); cultural and natural resources information; and information related to the development and use of a parking lot situated west of Leisy Hall and south-southwest of AMSA 79, referred to as the "western parking lot." Pertinent historical information as it pertains specifically to the areas assessed for purposes of this report are included in the appropriate subsections of this ECP Report. Excerpts of this report are provided in Appendix D.

3.5.3 September 2004, Draft Survey of Drains, Pollution Control Equipment, and Discharge Points, Leisy USARC

The Draft Survey of Drains, Pollution Control Equipment, and Discharge Points for Leisy USARC, which included the Fort Lawton Army Reserve Complex (FLARC) OMS building, was prepared for 70th RRC by ICI. A layout plan included in the report shows a grease trap and seven drainage areas around Leisy Hall. The grease trap is shown south of Leisy Hall and is described as a concrete basin with steel inlet and outlet pipes. According to this report, the grease trap was "extremely dirty and caused influent structures to back up during testing" and notes indicate that it may need cleaning. Two OWSs are shown north of Leisy Hall: one OWS is in the POV area immediately north of Leisy Hall and a second OWS is in the smaller POV parking lot area northeast of Leisy Hall. Water that passes through the OWS systems eventually flows to the City of Seattle maintained storm sewer. According to facility personnel, water discharged to

the storm sewer drains to the Puget Sound. Details related to the location, size, and notable conditions are provided for the exterior drain system at Leisy Hall. With the exception to the presence of excess leaves on the inlet side of the OWS located in the smaller POV parking lot area northeast of Leisy Hall, no issues or problems associated with the OWS systems were noted in this report.

3.5.4 September 2004, Draft Survey of Drains, Pollution Control Equipment, and Discharge Points, AMSA 79

The Draft Survey of Drains, Pollution Control Equipment, and Discharge Points for AMSA 79, was prepared for 70th RRC by ICI. A layout plan included in the report depicts three drainage areas around AMSA 79. Surface water in the MEP area is directed toward either a drain located at the wash rack situated immediately north of the AMSA 79 building or to an OWS located in a concrete sidewalk area northeast of the AMSA 79 Site area. A “grit trap” is shown north of the wash rack, however, during the August 2006 Site reconnaissance, this feature was referred to by facility personnel as an OWS. The wash rack is described as a rectangular concrete wash pad that slopes to a trench drain. Water that passes through the trench drain is directed north to the “grit trap”/OWS. According to notes in the report pertaining to the wash rack, a biodegradable degreaser is used occasionally for vehicle washing. With the exception of the presence of excess leaves on the inlet side of the OWS located northeast of the AMSA 79 area, no issues or problems associated with the wash rack or OWS systems were noted in this report.

3.5.5 May 1993, Oil/Water Separators and Storm Drainage System Improvements

KPFF Consulting Engineers (KPFF) prepared this report (dated May 21, 1993) for numerous USAR Center locations throughout Oregon and Washington. The former drainage system at the Site is grouped with other adjoining USAR installations in the Fort Lawton Main Area. Six distinct parking areas are described for the Main Area of Fort Lawton. According to this report, the surface runoff on the western portion of the Main Area in the general vicinity of the present day western parking lot was directed to a grassy swale which flowed westerly to an area for dispersion. The area situated on the northeastern portion of the Main Area in the approximate location of the present day adjoining Fort Lawton OMS building is described as having a “main discharge point” and according to interviews conducted with Site personnel, likely drained to the City of Seattle storm sewer system. The parking lot in the vicinity of a maintenance building, believed to be the AMSA 79 building, is described as having a catch basin which drains to the main discharge point in the northernmost parking area. Proposed improvements to the drainage systems at the Main Area indicate that a separation of systems be designed and that OWS systems be installed near maintenance buildings. Improvements also included the re-grading of pavement in the area north of Leisy Hall

to allow runoff to be collected in a new catch basin and then flow through an OWS. No improvements to the western parking lot in were proposed in the KPFF Report.

3.5.6 August 1995, AMSA 79 Fort Lawton Spill Prevention Control and Countermeasure Plan (SPCCP)

The SPCCP (dated August 1, 1995) was prepared by Woodward-Clyde, Inc., to outline the routine steps to be taken in the event of a spill in daily operations to reduce the amount of waste generated and likelihood of a spill. The report describes the AMSA 79 building as being equipped with overhead air and lubrication lines and a hydraulic lift. Other pertinent information described includes a battery room with a fume hood for battery filling and a small arms maintenance and storage area. Based on observations and on-Site interviews performed in August 2006 only limited filling of batteries occurs at the Site and no small arms are stored at the AMSA 79 portion of the Site. Additional information concerning current Site observations is provided in the appropriate subsections of Section 6. A Site layout plan provided in this report depicts the surface water flow pattern to flow in a north-northeasterly direction to either the drain situated in the wash rack area or to the drain situated in the sidewalk area northeast of the AMSA 79 area. An interior layout plan depicts the five service bays, battery room, and locations of oil, lubricants and parts washer within the building. Tables which contain information related to the use, storage and management practices (including frequency of disposal) are provided in this report and generally reflect the storage and disposal practices that were observed during the August 2006 Site visit.

3.5.7 August 1995, Print Shop at Leisy Hall USARC Spill Plan and Pollution Prevention Plan (SPPP)

This report was prepared by Woodward-Clyde (dated August 1, 1995) and addresses activities conducted at a print shop formerly located within Leisy Hall. According to a Site plan contained in the report, the former print shop was located in the southwestern portion of Leisy Hall. An inventory of hazardous materials indicates that printing related chemicals included cleaners, solvents, photographic and duplicating chemicals (i.e. fixer and developer) and oil for machine maintenance needs. Hazardous wastes, including used solvents, were disposed of by a private contractor assigned by Defense Reutilization and Marketing Office (DRMO). It appears that storage of hazardous materials and potentially hazardous wastes occurred (without secondary containment) on shelves, within a storage locker, on the floor of the print shop, or outside of the print shop. During the August 2006 Site reconnaissance, no floor drains were noted within the area of the former print shop and there was no evidence such as staining that would indicate a spill had historically occurred within this room. Additionally, no exterior drains were noted in the area outside of the print shop. According to facility personnel, use of the print shop was discontinued sometime prior to 2001.

3.5.8 January 2006, Fort Lawton Spill Prevention, Control, and Countermeasures Plan (SPCCP)

The SPCCP (dated January 19, 2006) was prepared by Shaw Environmental, Inc. The SPCCP addresses two maintenance facilities at Fort Lawton: the AMSA 79 and the Fort Lawton OMS building. The latter facility is not part of the area assessed for purposes of this ECP Report. The AMSA 79 is described as a “fully equipped maintenance and repair facility for Army Reserve ground vehicles and boats.” The area surrounding the AMSA 79 building is described to be paved with concrete and asphalt with catch basins that discharge to the storm sewer system. General information concerning the storage and use of oil products related to on-Site operations is provided in the SPCCP. New products were reportedly stored within containers on top of spill pallets and connected to overhead lines that transport oil to lube guns in the maintenance bays. Used oil generated from on-Site maintenance activities is reportedly stored within a 500-gallon capacity, double-walled rectangular steel AST located in a portable hazmat storage shed situated on the west side of the AMSA 79 portion of the Site. A table provided in the SPCCP indicates that oil products at the AMSA 79 building include oil, transmission fluid, used oil contained within 55-gallon drums (situated on spill pallets within the AMSA 79 building), the aforementioned 500-gallon used oil AST, and 55-gallon drums of antifreeze stored in plastic secondary containment and new and used oil drums in a portable hazmat storage shed. Storage and quantities of such materials is similar to observations by Lawhon during the August 2006 Site reconnaissance (Section 6.5). A SPCCP Site diagram provided in the report depicts the locations of OWS systems with drainage lines extending to northerly areas off-site ultimately discharging to the local storm sewer.

3.5.9 March 2005, Final PCB-Containing Equipment Inventory Summary Report, Seattle Area Facilities

Engineering-Environmental Management, Inc. (E2M), prepared this report for the 70th RRC in order to comply with the Toxic Substances Control Act (TSCA) and AR 200-1. This report provides an inventory of equipment at the Site that contain PCBs. Two non-PCB containing transformers were reported for AMSA 79. Light fixtures and ballasts were replaced throughout the AMSA 79 building in 1998. With the exception of two unmarked ballasts observed in the hazardous waste accumulation area, no other potential PCB-containing equipment was noted in the report section for the AMSA 79 building.

At the time that this report was prepared, Leisy Hall was apparently undergoing renovation activities and 315 of the approximately 600 light fixtures and no PCB-containing ballasts had been found. Several transformers had been identified at Leisy Hall; however, they were noted to be dry-type (non-PCB) transformers. Removal documentation referenced in the report indicates the replacement of old fixtures, the

removal of PCB-containing ballasts and transformers, and the removal of PCB electrical equipment. The Final PCB-Containing Equipment Inventory Summary Report concluded there “appears to be no remaining PCB-containing equipment at the Leisy Hall USARC.”

3.5.10 September 2005, Work Plan and Certificate of Final Completion for Asbestos Abatement, BGP Conference Room

These documents were prepared by Performance Abatement Services, (PAS) in September 2005. The Work Plan presents the methods and procedures that PAS employed in the abatement of asbestos containing materials (ACM) at the GBP Conference Room in Leisy Hall. The certificate issued (dated September 22, 2005) indicates the removal of identified non-friable ACMs from the GBP Conference Room.

3.5.11 February 2003 (updated 2005), Integrated Natural Resources Management Plan (INRMP) and Environmental Assessment

Gene Stout and Associates prepared this report for the Environmental Division of the Army Reserve Installation Management 70th RRC which documents the plan of action for the conservation of natural resources. The INRMP was prepared in order to comply with federal and state laws, most notably laws associated with environmental documentation, wetlands, endangered species, water quality, and wildlife management in general. Findings contained in the INRMP included environmental assessment elements which indicated that implementation of the INRMP would not result in significant adverse effects or beneficial effects on the resource areas evaluated.

Based on information contained in the INRMP related to Fort Lawton, there are no wetland areas on Fort Lawton. Special status species known to nest in Discovery Park which adjoins Fort Lawton to the south and west include the bald eagle, *Haliaeetus leucocephalus*, which is classified by the United States Fish and Wildlife Service (USFWS) as a threatened species. Another species that the state considers as a ‘priority species’ is the great blue heron which nests in the Kiwanis Ravine, an undeveloped reserve situated east of Fort Lawton (east of the adjoining residential area).

Based on cultural resource information contained in the INRMP, there are no specific sites of cultural significance on Fort Lawton. An area situated approximately 0.5-mile west of the Main Area of Fort Lawton of historical significance is the Fort Lawton Historic District that consists of historic residential and service buildings which were part of the original fort constructed in 1898. The Fort Lawton Historic District was listed in the National Register of Historic Places in 1978 and was declared a City of Seattle Landmark District in 1988.

Other pertinent information obtained from the INRMP is provided and referenced in the appropriate sections of this ECP Report. Excerpts from the INRMP are provided in Appendix D.

3.5.12 January 2003, Integrated Cultural Resources Management Plan (ICRMP) Historic Properties Component

This report was compiled by Parsons, Inc., in conjunction with the USARC. The Historic Properties Component was documented in order to comply with Section 106 of the National Historic Preservation Act (NHPA). The INCRMP states that “to date, there are no properties of traditional religious and cultural importance identified on the 70th RRC facilities within the state of Washington.” The INCRMP addresses the historical significance of Fort Lawton Historic District and provides a listing of other Fort Lawton installations (i.e., Leisy USARC and the 500 Area) that are not part of this ECP Report. No other pertinent Site specific information was contained in the INCRMP. Excerpts from this report are provided in Appendix D.

4.0 ADJACENT PROPERTIES

Figure 14 in Appendix A provides a 1990 aerial view of the Site and adjacent properties. Undeveloped land and the adjoining Discovery Park are shown west and south of the AMSA 79 building. The western parking lot is shown north of the AMSA 79 building and west of Leisy Hall. Other USAR buildings not part of this assessment include the Fort Lawton OMS building and Harvey Hall (a.k.a. Building 216) which adjoin Leisy Hall to the north and south, respectively. Residential dwellings are shown east of Leisy Hall (across 36th Avenue West). Table 1 provides a list of adjacent properties with their directional location in regards to the AMSA 79 building and Leisy Hall, respectively. Photographs 35 and 38 in Appendix B provide views of adjacent properties and surrounding land use.

TABLE 1 LIST OF ADJACENT PROPERTIES			
Direction From Site	Name/Type of Property	Address	Zoning
North	"Western parking lot" and the Fort Lawton Army Reserve Complex OMS building	4585 Texas Way West	*SF: Single Family Residential
South	Discovery Park and Harvey Hall	3801 West Government Way and 4510 Texas Way West	*SF: Single Family Residential
East	Harvey Hall and Magnolia Single Family Residential Area	4510 Texas Way West and numerous residential listings	*SF: Single Family Residential
West	FLARC administration building and the western parking lot	4585 Texas Way West	*SF: Single Family Residential

*According to the 1997 EA Report, the City of Seattle does not have special zoning designations for park or institutional land uses.

5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP Report is the review of reasonably obtainable Federal, State, and local government records for the Site, where there has been a release or likely release of a hazardous substance or any petroleum product, and which is likely to cause or contribute to a release or threatened release of a hazardous substance or petroleum product by the USAR on the leased property. A regulatory database summary was acquired from EDR on July 25, 2006. The regulatory database summary consolidates standard Federal, State, Local, and tribal environmental record sources based on ASTM recommended minimum search distances from the Site. A copy of the complete EDR report is included in Appendix E.

5.1 FEDERAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR federal regulatory database search report.

5.1.1 RCRA Small Quantity Generator (SQG)

RCRAInfo is USEPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the RCRA. Conditionally exempt small quantity generators (CESQG) generate less than 100 kilograms (kg) of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQG) generate over 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste.

According to the EDR Report, the USAR Center is on the RCRA SQG list, and is listed as conditionally exempt with no reported violations.

5.1.2 Facility Index System/Facility Registry System (FINDS) Site

The FINDS List contains both facility information and "pointers" to other sources that contain more detail. The EDR report includes the following FINDS databases in this report: Permit Compliance System, Aerometric Information Retrieval System; Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes, Federal Underground Injection Control; Criminal Docket System used to track criminal enforcement actions for all environmental

statutes: Federal Facilities Information System, State Environmental Laws and Statute, and PCB Activity Data System.

According to the EDR report, the USAR Center is in the FINDS list. There is no specific additional information provided in the EDR report.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR State and Local regulatory database search report.

5.2.1 Confirmed & Suspected Contaminated Sites List - (CSCSL)

This database lists properties that are confirmed and/or are suspected of contamination. Although the EDR report lists the Site as on the CSCSL list, additional information presented in Section 3.5.1 and in the UST list below, it was determined that this listing is for other portions of the Fort Lawton main area, and not the Site.

5.2.2 Registered Underground Storage Tanks - UST

UST's are regulated under Subtitle I of the RCRA and must be registered with the State department responsible for administering the UST program. Available information varies by State program. Inclusion on this list is for is not indicative of a release.

Both Leisy Hall and AMSA 79 are listed in the UST database, both with identical information. It is believed that this is repeated information. The database lists the Site as having 3 UST's removed. The tanks are labeled as Tank 1 – containing unleaded gasoline, Tank 2 – containing unknown substance (Site personnel believe that this UST contained diesel), and Tank 3 – containing used oil/waste oil. No additional information is provided.

5.2.3 MANIFEST Listing

This database is maintained by the WDOE and is a collection of facilities that have reported Hazardous Waste Manifest Data information. Inclusion on this list is for is not indicative of a release. The AMSA 79 portion of the Site was listed on this database, with no additional information.

5.3 ENVIRONMENTAL REGULATORY AGENCY INQUIRIES

A summary of information obtained agencies contacted is presented below. Correspondence and information obtained are provided in Appendix D. The following divisions of the Washington Department of Ecology (WDOE) were contacted to request environmental records available for the Site:

- Air Quality Program - An environmental records review was requested August 10, 2006 from the Division of Air Quality. The reply dated August 23, 2006, states that they had no environmental records for the Site.
- Division of Water Quality - An environmental records review was requested August 10, 2006 from the Division of Water Quality. The reply dated August 23, 2006, states that they had no environmental records for the Site.
- Division of Waste Management - An environmental records review was requested August 10, 2006 from the Division of Waste Management. The reply dated August 23, 2006, provided a database printout for the Site, confirming the facility as an exempt SQG.

5.4 TRIBAL ENVIRONMENTAL RECORDS

According to the EDR Report, the Site was not identified on the Tribal Database.

5.5 EDR PROPRIETARY RECORDS

According to the EDR report, the Site was not identified on the EDR Proprietary Databases.

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the August 29, 2006, Site assessment and area reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

6.1 ABOVEGROUND STORAGE TANKS (ASTs)

One 4,000 gallon capacity AST (Photograph 4 in Appendix B) is located on the southern exterior of Leisy Hall. The AST stores diesel fuel to power an emergency generator which is located adjacent to the AST. A copy of the City of Seattle Fire Marshal's Office AST Permit (#7-72528) issued March 13, 2006 is provided in Appendix D. According to Site personnel, the generator is utilized for a back-up emergency power source to service exit lighting and the computer server room. The computer server room also has an uninterruptible power source (UPS) in the event of an electrical outage. No issues of leaks associated with the AST were observed or reported during the August 2006 Site reconnaissance.

One 200 gallon capacity AST (Photograph 29 in Appendix B) utilized to store hydraulic oil was observed in a storage room within the AMSA 79 building and is used to service the subsurface hydraulic lift in service bay #3. No evidence of staining that would indicate a past release in the vicinity of the AST was observed during the August 2006 Site reconnaissance nor did facility personnel indicate there were any problems associated with the subsurface lift system.

One 500-gallon capacity AST (Photograph 16 in Appendix B) utilized to store used oil is located in the portable Hazmat Storage Shed (Hazmat Storage Shed #1, Photograph 15 in Appendix B). Used oil generated during maintenance activities in the AMSA 79 building is reportedly collected in 5-gallon buckets and then transported to the AST. The contents of the AST are removed on an as-needed basis by an off-site contractor. No issues of leaks associated with the AST were observed or reported during the August 2006 Site reconnaissance.

6.2 ASBESTOS CONTAINING MATERIAL

With the exception to the asbestos abatement performed in the GBP Conference Room (Section 3.5.10) no survey reports or other asbestos related documents were provided to Lawhon. Based on discussions with Site personnel, Leisy Hall underwent renovations within the last ten years and reportedly, ACMs were removed.

6.3 HAZARDOUS SUBSTANCES

Visual and physical inspections for hazardous substances and petroleum products were also conducted. The Site is listed under EPA's RCRIS as a RCRA SQG, EPA ID#

WA3210090095. A RCRA SQG is defined as a site which generates between 100 kg and 1,000 kg of hazardous waste per month.

Based on information supplied by the 70th RRC, the Site is listed as a RCRA SQG based on the generation of waste from vehicle maintenance at the AMSA 79. Typical wastes noted during the Site reconnaissance were: used oily rags, used oil and oil filters, paint cans, used antifreeze, and other vehicle maintenance waste. Chemicals stored at the AMSA 79 include: motor oil, brake fluid, gear oil, lubrication oil, multi-purpose grease, aerosol spray paints, as well as other typical vehicle maintenance fluids.

Hazardous materials stored at the AMSA portion of the Site were observed in the two portable Hazmat Storage Sheds (#1 and #2), in the Hazmat Storage Structure, in a portable drum storage container, and within the AMSA 79. Generally, oil and other vehicle related maintenance fluids were observed situated on spill containment pallets or within flammable storage cabinets within the AMSA 79 building. The sheds and structure are situated west of the AMSA 79 building. Observed petroleum products and hazardous substances were noted to be properly stored in the sheds or structure at the time of the inspection.

No improper storage techniques or staining was noted in or around the hazardous materials sheds or flammable storage cabinets. Based on a visual inspection, it appears that petroleum products and hazardous waste is being handled properly at the Site and the storage of these relatively small quantities does not appear to pose an environmental threat to the Site at this time.

6.4 HYDRAULIC EQUIPMENT

One hydraulic lift was observed within service bay #3 in the AMSA building. As previously stated in Section 6.2, hydraulic oil is stored within a 200 gallon AST located in adjoining storage room and there have been no reports of leaks or problems associated with the hydraulic lines or AST.

An inactive freight elevator is located on the southern exterior of Leisy Hall. According to the Area Facility Manager for Fort Lawton, the hydraulic lines and reservoir were drained of hydraulic fluid sometime prior to 2001 and has not been utilized since that time. There are no reported problems or issues related to the historical use of the freight elevator, and therefore is not an area of potential environmental concern.

6.5 INVENTORY OF CHEMICALS / HAZARDOUS SUBSTANCES

As previously stated, hazardous materials stored at the Site were observed in two portable Hazmat Storage Sheds (#1 and #2), in the Hazmat Storage Structure, in a portable drum storage container noted on the southern central perimeter of the AMSA

79 portion of the Site, and within the AMSA 79. The following paragraphs provide a brief inventory summary of materials observed during the Site reconnaissance. A copy of the most recent hazmat inventory list (dated September 9, 2005) was provided to Lawhon by facility personnel during the August 2006 Site reconnaissance. A copy of this document is provided in Appendix D.

Hazmat Storage Shed #1 (Photographs 15, 16, and 17 in Appendix B) contained the aforementioned used oil AST (Section 6.2), one 55-gallon drum of absorbent rags, one 55-gallon drum of used oil filters, five 55-gallon drums of engine oil, two 55-gallon drums of transmission fluid, four 5-gallon containers of hydraulic oil, two 5-gallon containers of grease, five 5-gallon containers of engine oil, thirteen 5-gallon containers of gasoline and diesel fuel, and thirteen 1-quart cans of hydraulic oil.

Hazmat Storage Shed #2 (Photograph 18 in Appendix B) is referred to by Site personnel as the 'corrosive shed' and is utilized primarily for used batteries awaiting transport off-site for recycling. At the time of the 2006 Site reconnaissance, approximately fifteen batteries were observed on pallets within this shed. No staining was observed in the area. A radioactive storage cabinet is also located in this shed and reportedly contained compasses and watches. According to facility personnel, these items are no longer used and are awaiting transport to an off-site location in the near future.

The Hazmat Storage Structure (Photograph 19 in Appendix B) contained one 55-gallon drum of transmission fluid and spill kit related items (i.e., absorbent booms).

The portable drum container noted on the southern central perimeter of the AMSA 79 portion of the Site contained one 55-gallon drum of used antifreeze.

Two 55-gallon drums of oil and one 25 gallon drum of grease were observed in the AMSA 79 building at the time of the August 2006 Site reconnaissance. The oil drums were noted to be stored on secondary containment spill pallets (Photograph 26 in Appendix B) and grease drum was noted to be stored on a wood pallet. The concrete area in the vicinity of these stored hazardous materials appeared to be in good condition with no evidence of past spills. Other hazardous materials noted within the service bay area of the AMSA 79 building included one 55-gallon drum of transmission fluid, one 55-gallon drum of antifreeze, one 55-gallon drum of engine lubrication oil, one 55-gallon drum of used oil, and one 55-gallon plastic drum of crushed used oil filters. With the exception of the plastic drum which was located beneath a filter crusher, the drums were noted to be atop portable carts within the service bay area of the AMSA 79 building. One 55-gallon steel drum of empty spray paint and aerosol cans was observed in the AMSA 79 building. Reportedly, the contents of this drum are off-hauled by a private contractor assigned by the DRMO on an as-needed basis. According to interviews with 70th RRC personnel, used oil and antifreeze are removed by an off-site

contractor on an as-needed basis. Manifest documentation associated with used oil and antifreeze generation is maintained by ICI personnel.

A solvent sink (Photograph 27 in Appendix B), consisting of sink over a 35-gallon drum, was located along the south interior wall of service bay #4 in the AMSA 79 building. The concrete flooring in the immediate vicinity of the solvent sink was in good condition with no evidence of past spills. According to interviews with 70th RRC personnel, the solvent sink is serviced by Safety Kleen on a monthly basis. Three flammable storage cabinets and one cabinet designated as 'spill response center' were also located along the south interior wall of service bay #4. A red cabinet (Photograph 27 in Appendix B) contained 'in use' hazardous materials in quantities of less than 5 gallons, such as brake fluid, gear oil and oil filters, which were generally vehicle service materials that were being used by mechanics. The remaining two flammable storage cabinets (Photograph 28 in Appendix B) contained a variety of vehicle and equipment related maintenance materials which included aerosol cans of spray paint, latex paint, brake cleaners, air tool cleaners, lubricants, metal parts protectors, etc. These stored materials were in their original retail containers and there was no evidence of leaks or spills within the flammable storage cabinets. Two additional smaller flammable storage cabinets utilized in the bay areas to store 'in use' spray paints and parts cleaners were also observed within the AMSA 79 building.

A battery charging room (Photograph 33 in Appendix B) is located on the northern portion of the AMSA 79 building and contained new and used batteries ready to be charged. Batteries were noted to be stored on top of spill pallets. According to facility personnel, dead batteries are transported to the aforementioned corrosive shed for removal by an off-site contractor. Other maintenance related materials observed within the AMSA 79 building included a diesel-powered forklift (Photograph 32 in Appendix B) and canisters of acetylene and oxygen (Photograph 31 in Appendix B) which were noted to be properly chained to a portable cart. With the exception of the hydraulic lift noted within service bay #3 (Photograph 30 in Appendix B), no floor drains or other subsurface hydraulic lifts were observed in the AMSA 79 building. Remnants of what appeared to be a former hydraulic lift were noted in service bay #2; however, according to facility personnel this area formerly contained a service pit that was used for access underneath vehicles. Site personnel indicated the pit was filled in due to lack of use. No further information was available regarding the pit or its filling. In general, good housekeeping practices were noted with regard to use and storage of vehicle related maintenance materials.

A former POL Storage building (Photograph 20 in Appendix B) was observed to be empty with no evidence of past spills on the concrete slab surface. No floor drains were observed within the former POL storage building. According to Site personnel, the former POL storage structure was utilized until construction of the Hazmat Storage Structure in approximately 1990.

6.6 LEAD-BASED PAINT (LBP)

According to information provided by the 70th RRC, there are no documented lead-based paint (LBP) surveys or abatement projects at the Site. Based on the reported date of construction (1972), it is likely that LBP exists in the structures. During the August 2006 Site visit, painted surfaces at Leisy Hall and the AMSA 79 building appeared to be in good condition.

6.7 MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)

No evidence of past or current storage, use or disposal of MEC, including UXO, was found during the site reconnaissance and records review.

6.8 NEARBY PROPERTIES

Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site, were evaluated (Section 5.0). None of the facilities evaluated are classified as "High Risk". "High Risk" properties are those that exhibit environmental conditions that have the probability of adversely affecting the environmental conditions at this Site or another property.

6.9 OIL/WATER SEPARATOR (OWS)

Several OWSs are located at the Site. The information presented below is based on the Draft Survey of Drains, Pollution Control Equipment, and Discharge Points (Sections 3.5.3 and 3.5.4) and on observations during the August 2006 Site reconnaissance. Two OWSs are located in the POV area north of Leisy Hall and intercept surface runoff from the parking lot areas and exterior drains. The POV area was developed to slope to the north so that runoff would discharge to one of the two OWS systems (Photograph 7 in Appendix B). Similarly, the asphalt paved areas to the west of the AMSA 79 building were designed to direct surface water flow toward the north-northeast to a drain at the wash rack (Photograph 21 in Appendix B) that discharged to an OWS (Photograph 22 in Appendix B) or to a drain that leads to an OWS (Photograph 23 in Appendix B) situated northeast of the AMSA 79 portion of the Site. (Note: The 2004 Draft Survey of Drains, Pollution Control Equipment, and Discharge Points states that OWS1 and OWS3 discharge to the city storm sewer. The text for OWS2 states it discharges into the city sanitary sewer, but a figure shows that it discharges to the city sanitary sewer. The text for OWS4 states that it discharges to the city storm sewer, but the figure shows that it discharges to the city sanitary sewer. No additional information is provided.) The OWSs are reportedly inspected and serviced by an outside contractor when needed, which is approximately once a year. With the exception of oily liquid observed in the drain systems at the wash rack, no odors or staining were detected in or around the drainage systems during the Site reconnaissance. According to Site personnel, the

presence of such liquid is an indicator that the OWS associated with the wash rack is due for service.

6.10 PITS, SUMPS, DRYWELLS, AND CATCH BASINS

With the exception of a sump that is located within the Hazmat Storage Structure and former service pit within the AMSA 79 building, no lagoons, drywells or catch basins were observed at the Site. The Hazmat Storage Structure (Photograph 19 in Appendix B) was designed with a sloped flooring system leading to the sump devised to collect runoff from spills within the area of the structure. The sump is situated at the center of the structure and extends to approximately three feet in depth. According to facility personnel, there have been no spills within the area of the Hazmat Storage Structure that required the sump to be pumped or cleaned. However, facility personnel did indicate that on occasion, rainwater had to be pumped from the sump.

As previously stated in Section 6.5, a former vehicle maintenance pit was located in the AMSA 79 building. Site personnel indicated the pit was filled in due to lack of use. This is not considered an area of potential environmental concern.

6.11 POLYCHLORINATED BIPHENYL CONTAINING (PCB) EQUIPMENT

Based on information contained in a Final PCB-Containing Equipment Inventory Summary Report prepared by E2M (Section 3.5.9) and observations during the August 2006 Site reconnaissance, only dry-type (non-PCB) transformers are located at the Site. According to the aforementioned report, renovation activities were conducted at Leisy Hall and at the AMSA 79 building in 1998 which included upgrades to the lighting system. Additional renovations to Leisy Hall occurred in approximately 2005 and the Final PCB-Containing Equipment Inventory Summary Report concluded there “appears to be no remaining PCB-containing equipment at the Leisy Hall USARC.”

6.12 RADIOLOGICAL MATERIALS

Facility personnel indicated that to their knowledge the Site never had a Nuclear Regulatory permit. Most military facilities will have some low level radiological materials associated with the illumination of various types of military equipment (e.g., watch dials, compasses, aiming circles, etc.). As previously stated in Section 6.5, a radioactive storage cabinet is located in a portable hazmat shed and reportedly contained compasses and watches. According to facility personnel, these items are no longer used and are awaiting transport to an off-site location in the near future. There is no evidence to suggest that any radiological commodities were ever improperly managed at the Site, or that any radionuclides were ever released.

6.13 RADON

The USEPA Map of Radon Zones for King County, Washington, confirms that the county lies within the low potential zone, Zone 3, which has a predicted average indoor screening level less than USEPA's recommended maximum action level of 4.0 PicoCuries per Liter of Air (pCi/l). The EDR Report provides radon test results for the 98199 zip code area. The results concluded that the basements in the area had an average radon activity level of 0.380 pCi/l.

According to information provided by the 70th RRC, a Reserve database printout shows that a radon survey was performed at the Site in November 1991 (Appendix D). The results range from <0.2 pCi/l to 1.8 pCi/l, below the USEPA's permissible exposure limit of 2.5 pCi/l. Radon surveys are currently being performed at the Site by Shaw Environmental Group. The radon surveys commenced in July 2006 and results were not available at the time of this ECP Report preparation.

6.14 UNDERGROUND STORAGE TANKS

No evidence of current USTs were observed during the 2006 Site reconnaissance. Site records (Section 3.5.1) and records from the Washington Department of Ecology (WDOE) (Section 5.2.2) indicate that three USTs were removed in 1990. According to Site personnel, a former fuel island area was situated on the northwestern corner of the AMSA 79 portion of the Site, where one gasoline UST, one diesel UST and two dispenser areas were located. Site personnel also indicated that the third UST was utilized for waste oil storage, and was situated on the southern central perimeter of the AMSA 79 portion of the Site, in the unpaved area near the existing lean-to structure.

The approximate locations of the former USTs are depicted in Figure 2 in Appendix A and Photograph 24 in Appendix B shows the yard area where the two former fuel dispensing USTs were located.

6.15 WASTE DISPOSAL SITES

There were no signs of land-filling or illegal waste disposal activities at the Site during the August 2006 Site reconnaissance. Non-hazardous waste management, such as used oil, is removed from the Site on an as-needed basis by an outside contractor and hazardous wastes and empty aerosol cans (e.g., spray paints) are off-hauled by a private contractor assigned by the DRMO on an as-needed basis. The on-Site solvent sink is serviced by Safety Kleen on a monthly basis. Manifest documentation associated with used oil and antifreeze generation is maintained by ICI personnel.

7.0 CONCLUSIONS

Lawhon, in conjunction with FMSM was contracted to prepare an ECP Report for the Leisy Hall and AMSA 79 – Fort Lawton USAR Center (WA030), located at 4570 Texas Way West, Seattle, King County, Washington. The Site was in use by the 70th RRC at the time of the site reconnaissance. The Site has primarily functioned as an administrative, logistical, and educational facility, with limited vehicle maintenance occurring in the AMSA 79 building.

Findings of this ECP Report are based on existing environmental information, including visual observations, interviews, site records, Federal, State, and local database and file information, related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following paragraphs present the findings related to areas of potential environmental concern that were evaluated during the ECP process.

- **Aboveground Storage Tanks (ASTs)** – Three ASTs are presently located at the Site. One 4,000 gallon capacity diesel AST is situated on the southern exterior of Leisy Hall and is associated with an emergency generator. One 200 gallon capacity AST utilized to store hydraulic fuel for a vehicle lift is situated in a storage room of the AMSA 79 building. And one 500-gallon capacity AST utilized for the storage of used oil collected in maintenance operations conducted at the AMSA 79 building is located within a portable hazmat storage shed west of the AMSA 79 building. No issues of leaks associated with the ASTs were observed or reported during the August 2006 Site reconnaissance.
- **Asbestos Containing Materials** - According to interviews conducted with facility personnel, Leisy Hall underwent renovations within the last ten years and reportedly, ACMs were removed. With the exception of an asbestos report that documents abatement activities performed in a conference room within Leisy Hall, no asbestos related documents were provided to Lawhon. Based on the construction date of the Site buildings, ACM may be present.
- **Hazardous Substances** - Chemicals containing CERCLA hazardous substances would likely have been used and stored at the Site in amounts necessary to support unit-level vehicle and building maintenance activities. The quantities stored would reportedly not have exceeded corresponding CERCLA reportable quantities. There is no evidence that the chemicals used or stored were improperly handled, released, or disposed at the Site.
- **Hydraulic Equipment** – A hydraulic oil powered vehicle lift and an inactive freight elevator that formerly contained hydraulic oil were observed in the AMSA 79 building and on the southern exterior of Leisy Hall, respectively. According to

facility personnel, there have been no issues of leaks in the hydraulic lines associated with the hydraulic lift in the AMSA 79 building. The hydraulic lines and reservoir associated with the freight elevator were reportedly drained sometime prior to 2001. According to facility personnel, there were no reports of problems associated with the historical use of the freight elevator.

- **Lead-Based Paint (LBP)** - According to information provided by the 70th RRC, there are no documented LBP surveys or abatement projects at the Site. Based on the date of construction (1972), it is likely that LBP exists in the structures. During the August 2006 Site visit, painted surfaces within Leisy Hall and the AMSA 79 building appeared to be in good condition.
- **Munitions and Explosives of Concern (MEC)** - No evidence of past or current storage, use or disposal of MEC, including UXO, was found during the site reconnaissance and records review.
- **Oil/Water Separator (OWS)** - Four OWSs are located at the Site, two are situated in the POV areas north of Leisy Hall; one is situated in a paved sidewalk area northeast of the AMSA 79 portion of the Site; and one north of the wash rack north of the AMSA 79 building. Surface water runoff is directed to exterior drains located in these areas of the Site and eventually passes through one of the four OWSs, which, based on information contained in reports prepared for the Site, discharge to the city storm sewer system. Based on information contained in reports reviewed, with the exception to the presence of excess leaves and dirt observed on the plates of the OWS systems, no issues or problems associated with the OWS systems were noted. The OWSs are not considered to be an area of potential environmental concern.
- **Petroleum Product Storage** – Petroleum storage occurs and historically would have occurred in designated areas within the AMSA 79 building and hazardous material storage sheds/structure located west of the AMSA 79 building. Prior to construction of the present day hazardous material structure (ca. 1990) and use of portable storage sheds at the Site, a concrete constructed shed situated on the south central portion of the AMSA 79 portion of the Site was utilized for the storage of petroleum products. The sheds/structure and areas within the AMSA 79 building where petroleum products are stored were observed to be equipped with secondary containment or with spill containment measures and appeared in good condition at the time of the Site reconnaissance. There is no evidence that non-UST/AST petroleum products in excess of 55 gallons were stored for one year or more on Site.
- **Polychlorinated Biphenyls (PCBs)** - Based on information contained in a previous PCB-Containing Equipment Inventory Report and observations during

the August 2006 Site reconnaissance, only dry-type (non-PCB) transformers are located at the Site. According to the aforementioned report, renovation activities were conducted at Leisy Hall and at the AMSA 79 building in 1998 which included upgrades to the lighting system. Additional renovations to Leisy Hall occurred in approximately 2005 and the Final PCB-Containing Equipment Inventory Summary Report concluded there “appears to be no remaining PCB-containing equipment at the Leisy Hall USARC.”

- **Radiological Materials** - Facility personnel indicated that to their knowledge the Site never had a Nuclear Regulatory permit. Most military facilities will have some low level radiological materials associated with the illumination of various types of military equipment (e.g., watch dials, compasses, aiming circles, etc). A radioactive storage cabinet is located in a portable hazmat shed and reportedly contained compasses and watches. According to facility personnel, these items are no longer used and are awaiting transport to an off-site location in the near future. There is no evidence to suggest that any radiological commodities were ever improperly managed at the Site, or that any radionuclides were ever released.
- **Radon** - According to information provided by the 70th RRC, a Reserve database printout shows that a radon survey was performed at the Site in November 1991. The results were found to be below the USEPA’s permissible exposure limit. Radon surveys are currently being performed at the Site by Shaw Environmental Group. The radon surveys commenced in July 2006 and results were not available at the time of this ECP Report preparation.
- **Service Pit** – A service pit formerly used to access the underside of vehicles in the AMSA was filled. No additional was available.
- **Sump** - The Hazmat Storage Structure located on the southwestern perimeter of the AMSA 79 portion of the Site was designed with a sloped flooring system leading to a sump devised to collect runoff from spills within the area of the structure. The sump is situated at the center of the structure and extends to approximately three feet in depth. According to facility personnel, there have been no spills within the area of the Hazmat Storage Structure that required the sump to be pumped or cleaned. However, facility personnel did indicate that on occasion, rainwater had to be pumped from the sump
- **Underground Storage Tanks (USTs)** - No evidence of current USTs were observed during the 2006 Site reconnaissance. Site records and records from WDOE indicate that three USTs were removed in 1990. According to Site personnel, a former fuel island area was situated on the northwestern corner of the AMSA 79 portion of the Site, where one gasoline UST, one diesel UST and

two dispenser areas were located. Site personnel also indicated that the third UST was utilized for waste oil storage, and was situated on the southern central perimeter of the AMSA 79 portion of the Site, in the unpaved area near the existing lean-to structure. Records indicate no “visual or olfactory evidence of soil contamination” was reported and no groundwater was encountered during the excavation. Analysis of samples after excavation showed no total petroleum hydrocarbons (TPH) detected or levels well below the WDOE action levels at the time of tank removal.

- **Wash Water Discharge** - An active wash rack is situated north of the AMSA 79 building. During the August 2006 Site reconnaissance, an oily substance was observed in the drain systems at the wash rack. According to Site personnel, the presence of such liquid is an indicator that the OWS associated with the wash rack is due for service.

Areas of potential environmental concern were reviewed and Lawhon found no adverse conditions relating to the environmental condition of the property during the USAR usage of the Site. No reportable quantities of hazardous substances have been stored at the Site and no spills or releases were documented or reported.

8.0 LIMITATIONS

This ECP Report was prepared to review certain elements of the environmental condition of property related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. It documents efforts to determine or discover the presence or likely presence of a release or threatened release of these materials. Project activities were performed in general conformance with the BRRM, ASTM D6008 guidance, the project prescribed scope of work, and generally accepted practices in the consulting industry. The degree of care and skill is consistent with that generally exercised in the industry under similar conditions.

Lawhon and FMSM have relied on certain information provided by the USACE, USAR, and other parties referenced in the report. This information was assumed to be accurate and complete unless information to the contrary arose during the course of the investigation. Historic documentation (e.g., information on past environmental practices, environmental records, USARC operational changes, unit and equipment changes, chemical/substance inventories and storage, current as-built drawings, etc.) and facility personnel knowledge regarding chemicals used or stored on the Site and the quantities stored, was often limited or non-existent. Therefore, statements regarding storage of chemicals or presence of hazardous substances reflect best available data and are not warranted for either completeness or accuracy over the history of the facility.

In preparing this report, Lawhon and FMSM were required to review previous documents from other sources (collectively referred to herein as the Prior Reports). The Prior Reports may present findings regarding the abatement or remediation of known concerns at the time of their preparation or within the limit of the project scope of work. The Prior Reports may include statements or opinions of the original authors of the Prior Reports as to the satisfactory completion of work. Lawhon and FMSM note that environmental laws and regulations, including abatement or remedial action levels, are periodically reviewed and updated by the various regulatory agencies and may have changed since the respective dates of the Prior Reports.

Lawhon and FMSM have summarized the Prior Reports in fulfilling the prescribed scope of work for the project. This summarization may include statements or opinions as to the satisfactory completion of work. These statements or opinions are those of the original report authors. Lawhon and FMSM neither warrant nor certify the accuracy or completeness of these statements. The summarization of previous documents has not reviewed or updated those conclusions with regards to actions from the time of that document to date, current regulatory agency abatement, or remedial standards. Rather, this summary provides the original author's conclusions at the time the report was prepared. Evaluation of the completeness of previous documents or statements of

abatement or remediation is beyond the current scope of service included in this contract.

A limited site reconnaissance was performed to visually identify materials or conditions representing recognized adverse environmental conditions. Identification of hidden conditions, observation of the effects of activities or incidents occurring after completion of the reconnaissance, buried conditions, conditions obscured by dense foliage, conditions beneath buildings, other structures, or covered by building/paving materials, or conditions otherwise obscured, is beyond the scope of this work. The conditions described in this report are valid only for the time that the observations were made. Some conditions may change with time.

The findings and conclusions contained in this report are based in part on the information available at the time of the study. The findings and conclusions should be considered not as scientific certainties, but as probabilities based on professional judgment of the significance of the limited data gathered in the course of the site evaluation, interviews and literature review. If additional or corrected information becomes available, Lawhon and FMSM request the opportunity to review/modify conclusions, as warranted.

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9.0 REFERENCES

9.1 PERSONS CONTACTED

- Mr. Patrick Marchman, Environmental Program Manger, ICI, LLC, U.S. Army Reserves 70th Regional Readiness Command, (206) 301-2091, August 29, 2006.
- Ms Debra Winterton, Environmental Program Manager, ICI, LLC, U.S. Army Reserves 70th Regional Readiness Command, (206) 301-2033, August 29, 2006.
- Mr. David Blount, Area Facility Manager, ICI, LLC, U.S. Army Reserves 70th Regional Readiness Command, (206) 301-2033, August 29, 2006.
- Mr. Ronald Durocher, Mechanic, AMSA 79 Building, Seattle, Washington, (206) 281-3058, August 29, 2006.
- Mr. Keith Leslie, Supervisor, AMSA 79 Building, Seattle, Washington, (206) 281-3058, August 29, 2006.

9.2 RESOURCES CONSULTED

- Environmental Data Resources, Inc. (EDR) Report for the Fort Lawton USAR Complex, July 25, 2006.
- Federal Regulatory Databases
 - National Priorities List (NPL), April 19, 2006
 - Proposed NPL Sites, April 19, 2006
 - Delisted NPL Sites, April 19, 2006
 - Federal Superfund Liens (NPL Liens), October 15, 1991
 - Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), February 1, 2006
 - CERCLIS No Further Remedial Action Planned Sites (NFRAP), February 1, 2006
 - Resource Conservation and Recovery Information System (RCRIS) Corrective Action Sites (CORRACTS), March 15, 2005
 - Resource Conservation and Recovery Act Information (RCRA), March 9, 2006

- Emergency Response Notification System (ERNS), December 31, 2005
- Engineering Controls Sites List (US ENG CONTROLS), March 21, 2006
- Listing of Brownfields Sites, April 26, 2006
- Superfund Consent Decrees, December 14, 2004
- Records of Decision (ROD), March 13, 2006
- Department of Defense Sites, December 31, 2004
- Uranium Mill Tailings Sites, November 4, 2005
- Open Dump Inventory (ODI), June 30, 1985
- Toxic Chemical Release Inventory System (TRIS), December 31, 2003
- Toxic Substances Control Act (TSCA), December 31, 2002
- FIFRA/TSCA Tracking System, March 29, 2006
- FTTS INSP, March 31, 2006
- Section 7 Tracking Systems (SSTS), December 31, 2004
- Integrated Compliance Information System (ICIS), February 13, 2006
- PCB Activity Database System (PADS), December 27, 2005
- Material Licensing Tracking System (MLTS), April 12, 2006
- Mines Master Index File (MINES), February 9, 2006
- Facility Index System/Facility Registry System (FINDS), April 27, 2006
- RCRA Administrative Action Tracking System (RAATS), April 17, 1995
- Biennial Reporting System (BRS), December 31, 2003
- State and Local Regulatory Databases
 - Confirmed & Suspected Contaminated Sites List, May 11, 2006
 - Hazardous Sites List, February 22, 2006

- Confirmed & Suspected Contaminated Sites List, May 11, 2006
- Solid Waste Facility Database, October 1, 2004
- Solid Waste Tire Facilities, November 1, 2005
- Leaking Underground Storage Tank List, March 7, 2006
- Underground Storage Tank Data, April 27, 2006
- Aboveground Storage Tank Listing, December 13, 2005
- Manifest, December 13, 2004
- Reported Spills, March 29, 2006
- Institutional Control Site List, June 6, 2006
- Voluntary Cleanup Program Sites, May 11, 2006
- Independent Cleanup Reports, December 1, 2002
- Drycleaner Facilities Listing, January 12, 2006
- Clandestine Drug Lab Contaminated Site List, May 23, 2006
- Washington Emissions Data System, December 31, 2004
- Inactive Drycleaners, January 12, 2006
- Tribal Records
 - Indian Reservations, December 31, 2004
 - Leaking Underground Storage Tanks on Indian Lands, March 14, 2006
 - Underground Storage Tanks on Indian Lands, April 5, 2006
- EDR Proprietary Records
 - Manufactured Gas Plants
 - Historical Auto Stations
 - Historical Cleaners

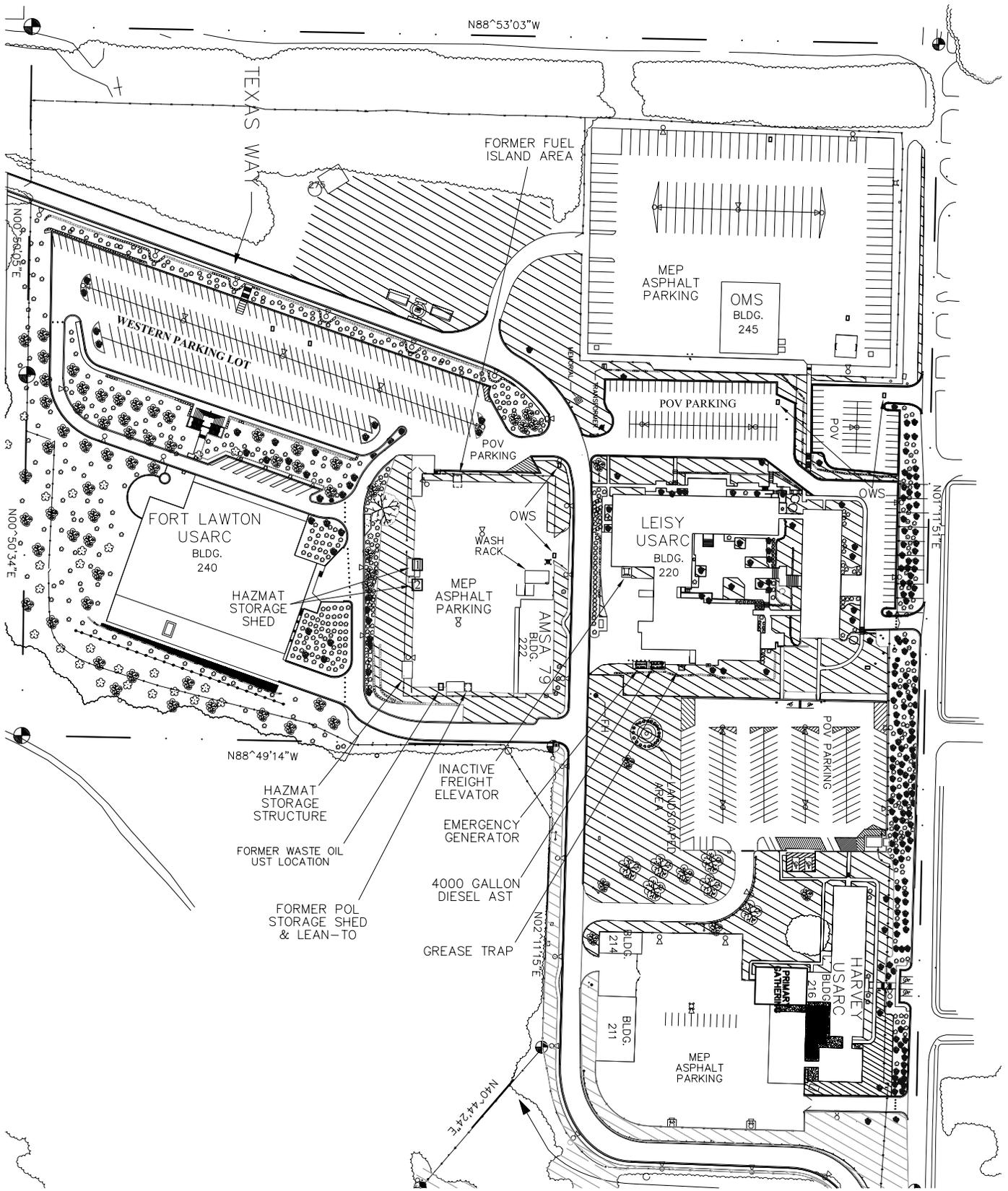
- Historical Chain of Title Report for the Fort Lawton USAR Complex, September 13, 2006.
- Environmental Lien Search Report for the Fort Lawton USAR Complex, September 8, 2006.
- State of Washington Department of Ecology, Coastal Zone Management Program, September, 2006,
<http://www.ecy.wa.gov/programs/sea/czm/index.html>.
- USEPA Map of Radon Zones,
<http://www.epa.gov/radon/zonemap/washington.htm>

9.3 AGENCIES CONTACTED

- City of Seattle Department of Planning and Development's website, August 30, 2006.
- FOIA Officer, USEPA, Region 10, Office of External Affairs, 1200 6th Avenue (CEC-142), Seattle, Washington, August 10, 2006.
- Sally Perkins, Washington Department of Ecology, Northwest Regional Office, 3190 160th Avenue SE, Bellevue, Washington, August 10, 2006.

APPENDIX A

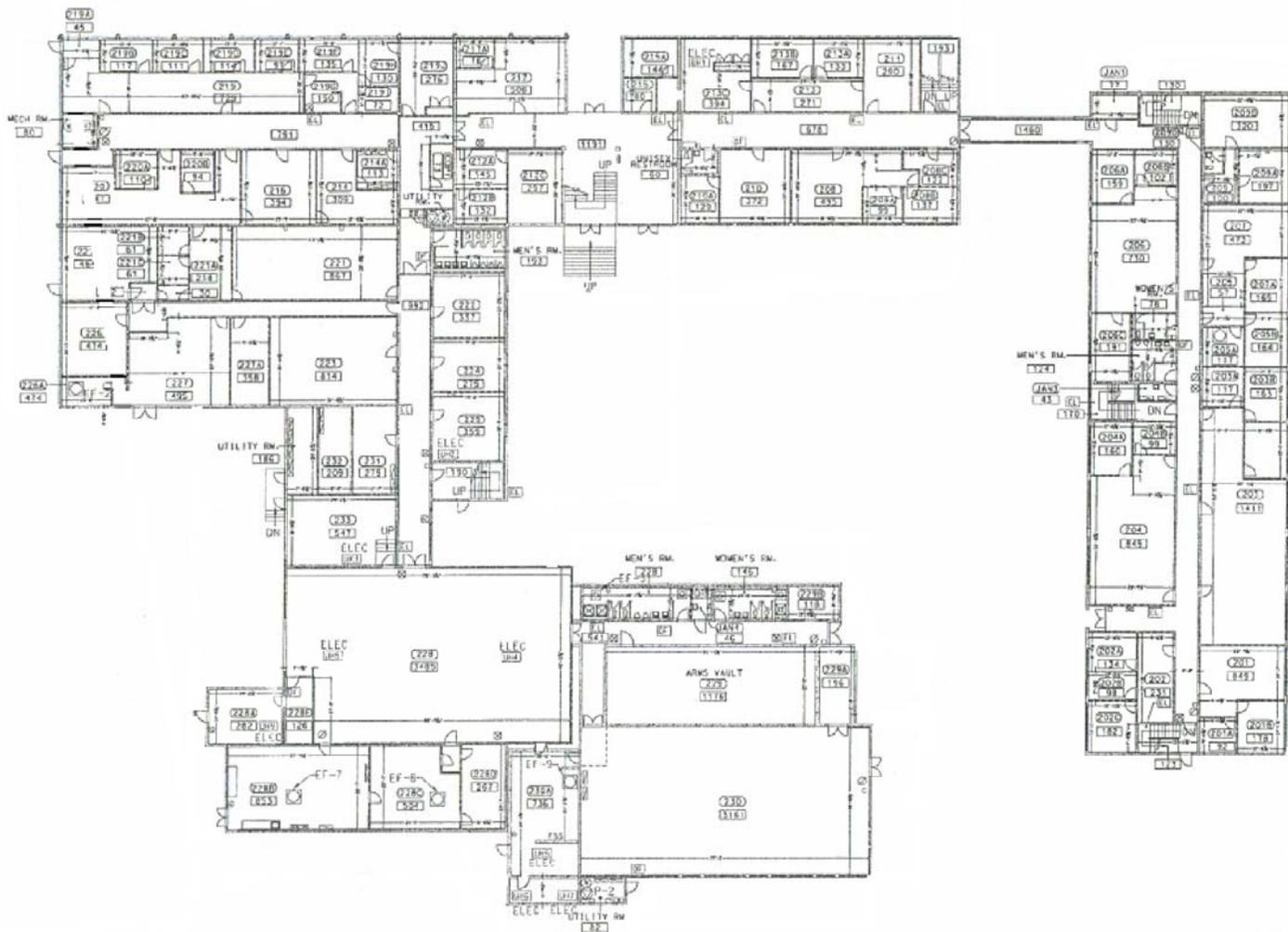
FIGURES



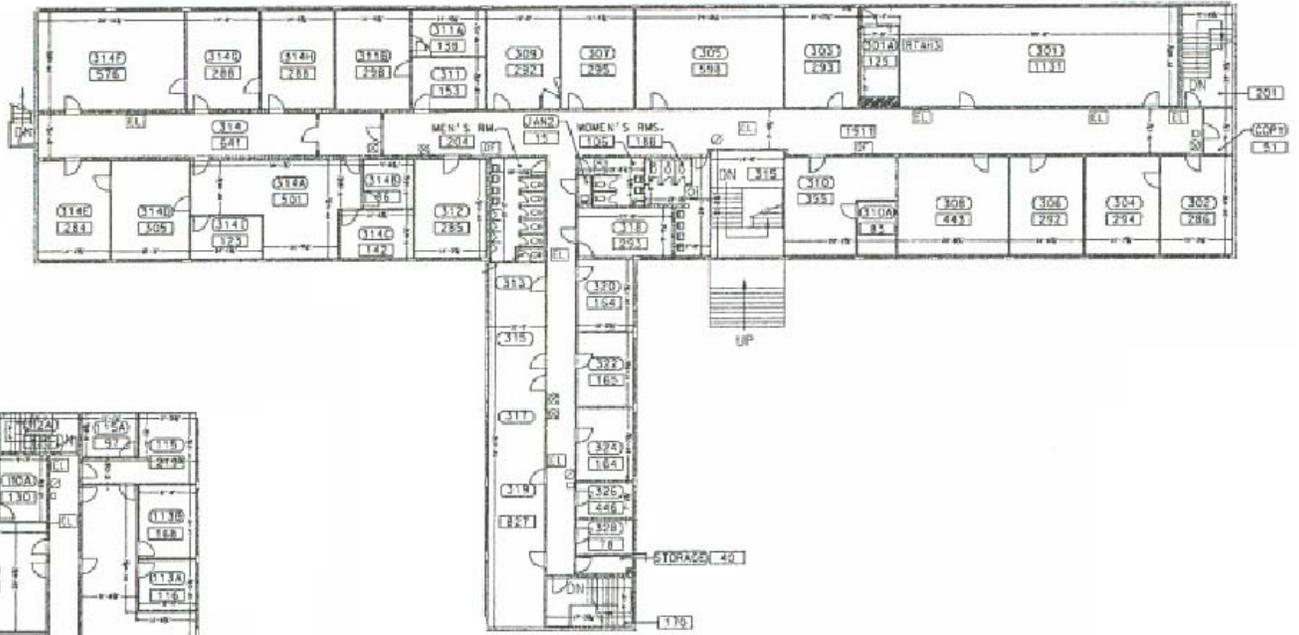
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APPROXIMATE SCALE

MAP INFORMATION PROVIDED BY 70th RRC

FIGURE 2
SITE LAYOUT PLAN
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON



SCALE: 1"=60'
APPROXIMATE SCALE



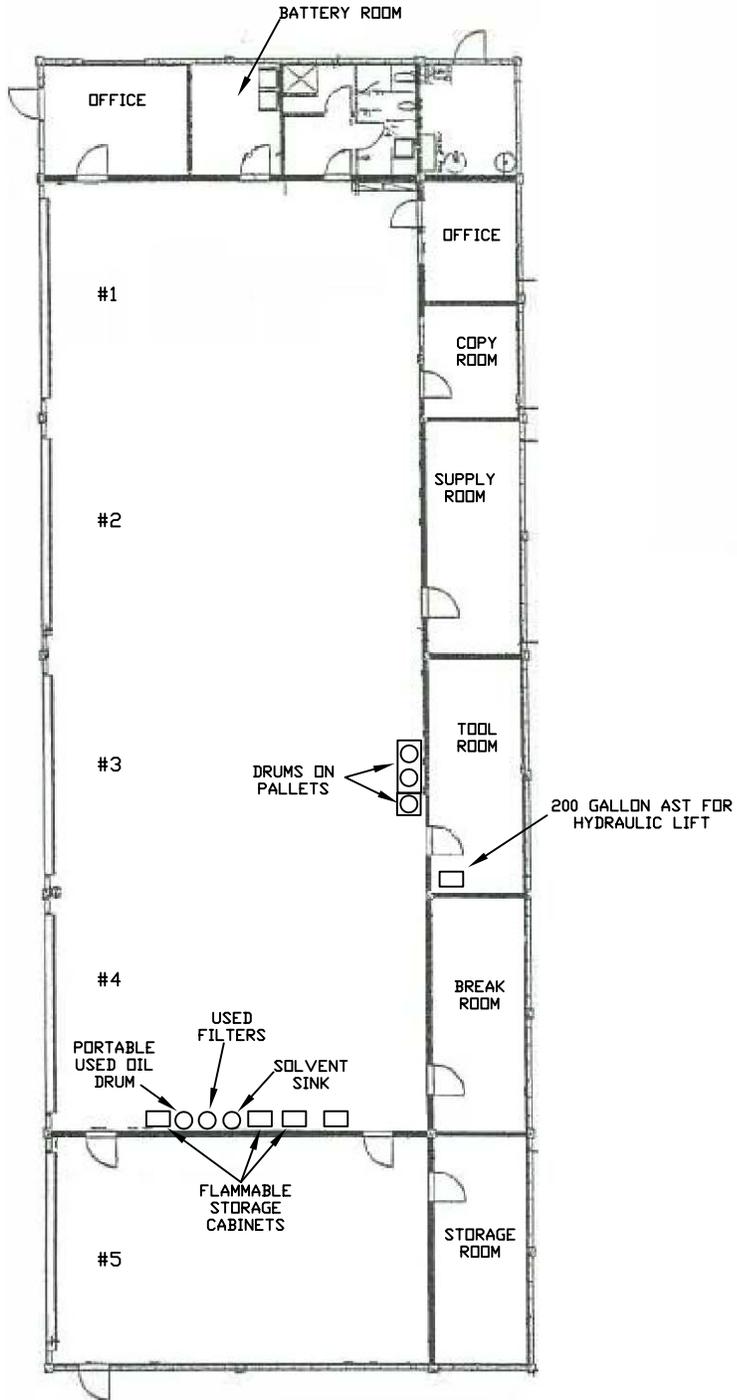
BLDG 220 UPPER LEVEL



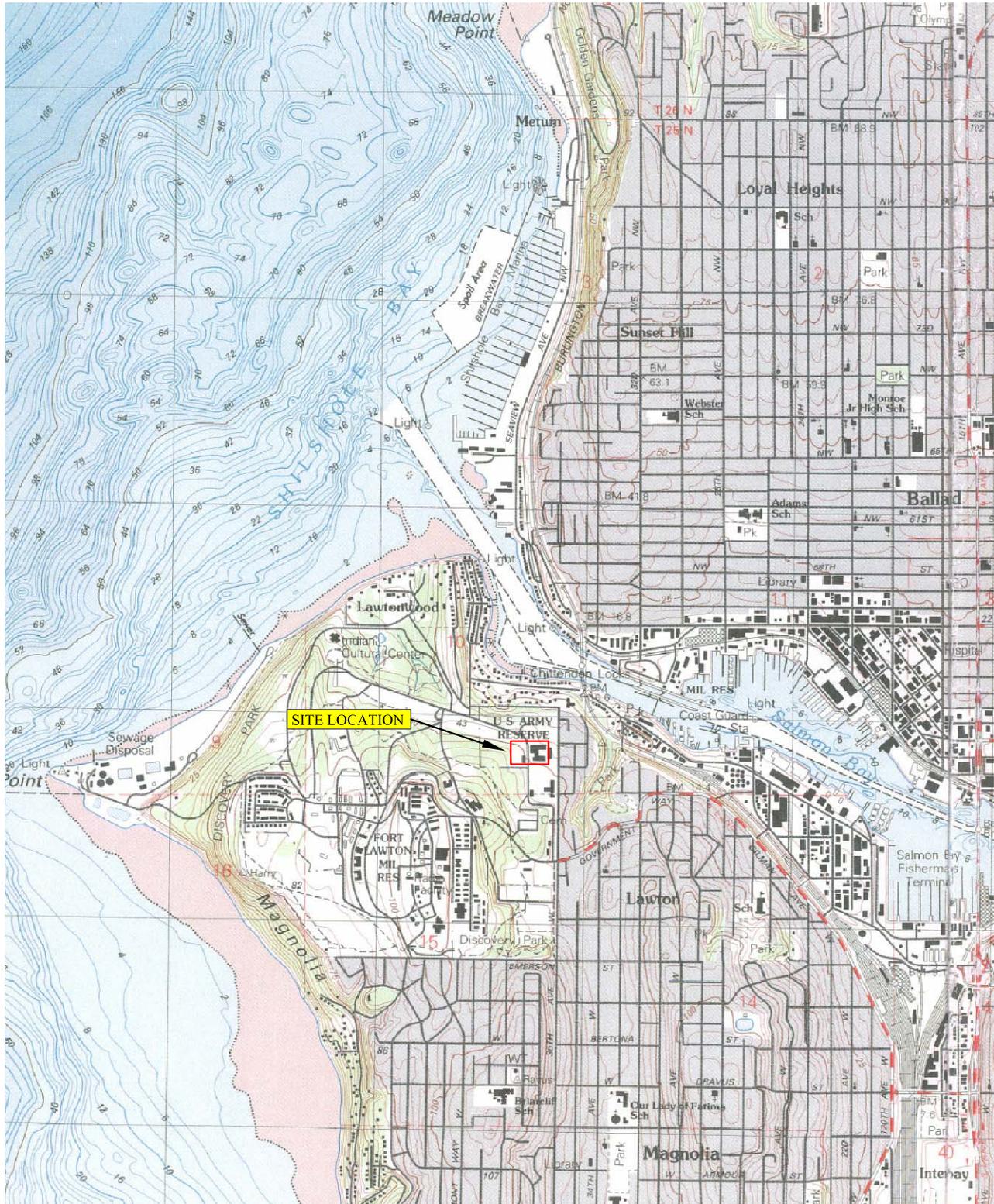
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APPROXIMATE SCALE

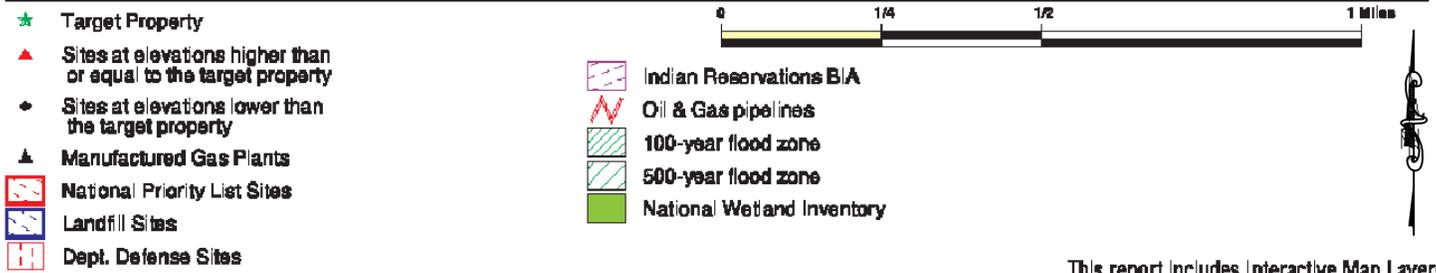


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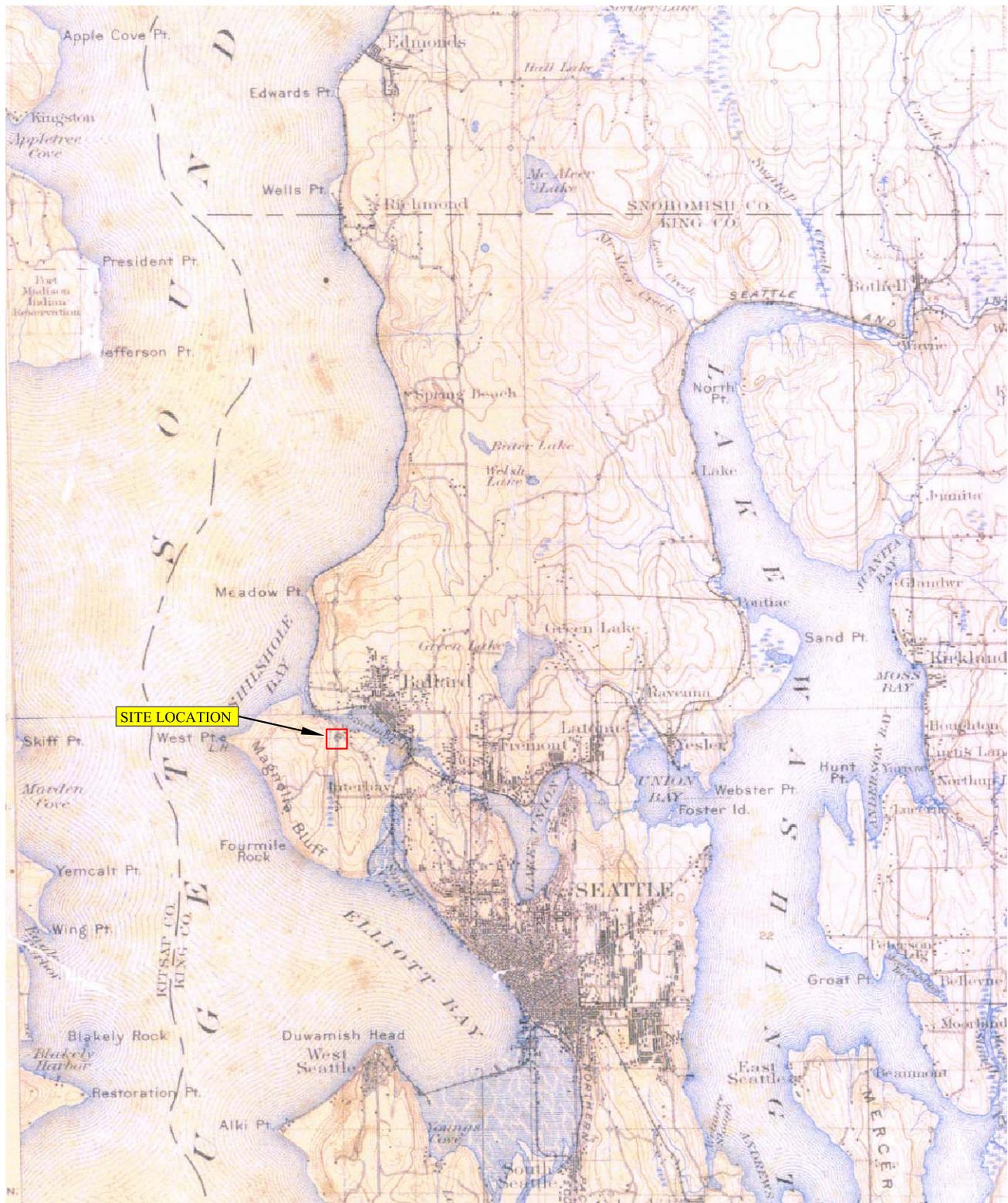


SCALE: 1:125000
 APPROXIMATE SCALE

FIGURE 6
 1983 USGS 7.5 TOPOGRAPHIC MAP
 LEISY HALL USARC AND AMSA 79-WA030
 4570 TEXAS WAY WEST
 SEATTLE, WASHINGTON



This report includes interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

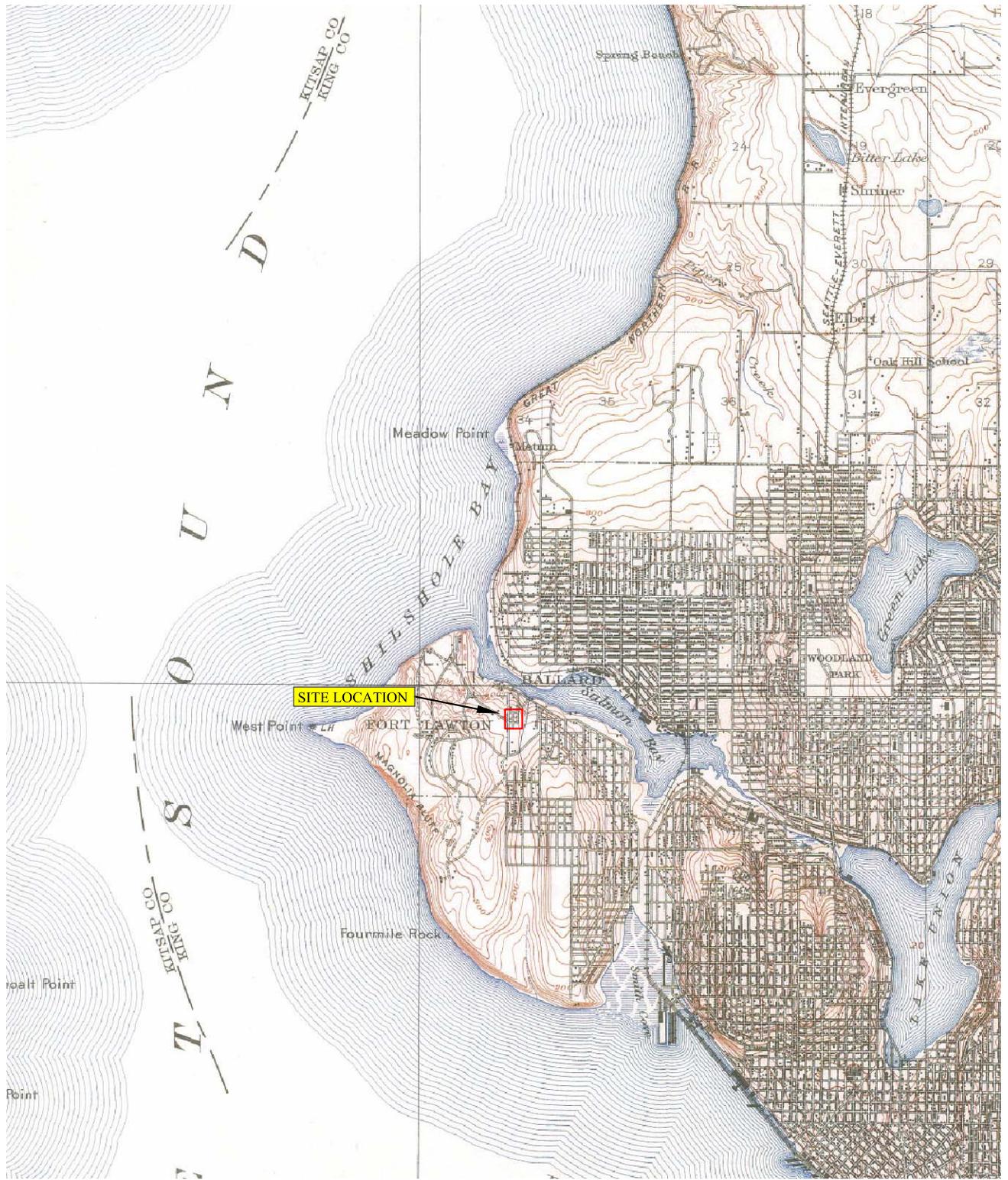


SITE LOCATION

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APPROXIMATE SCALE



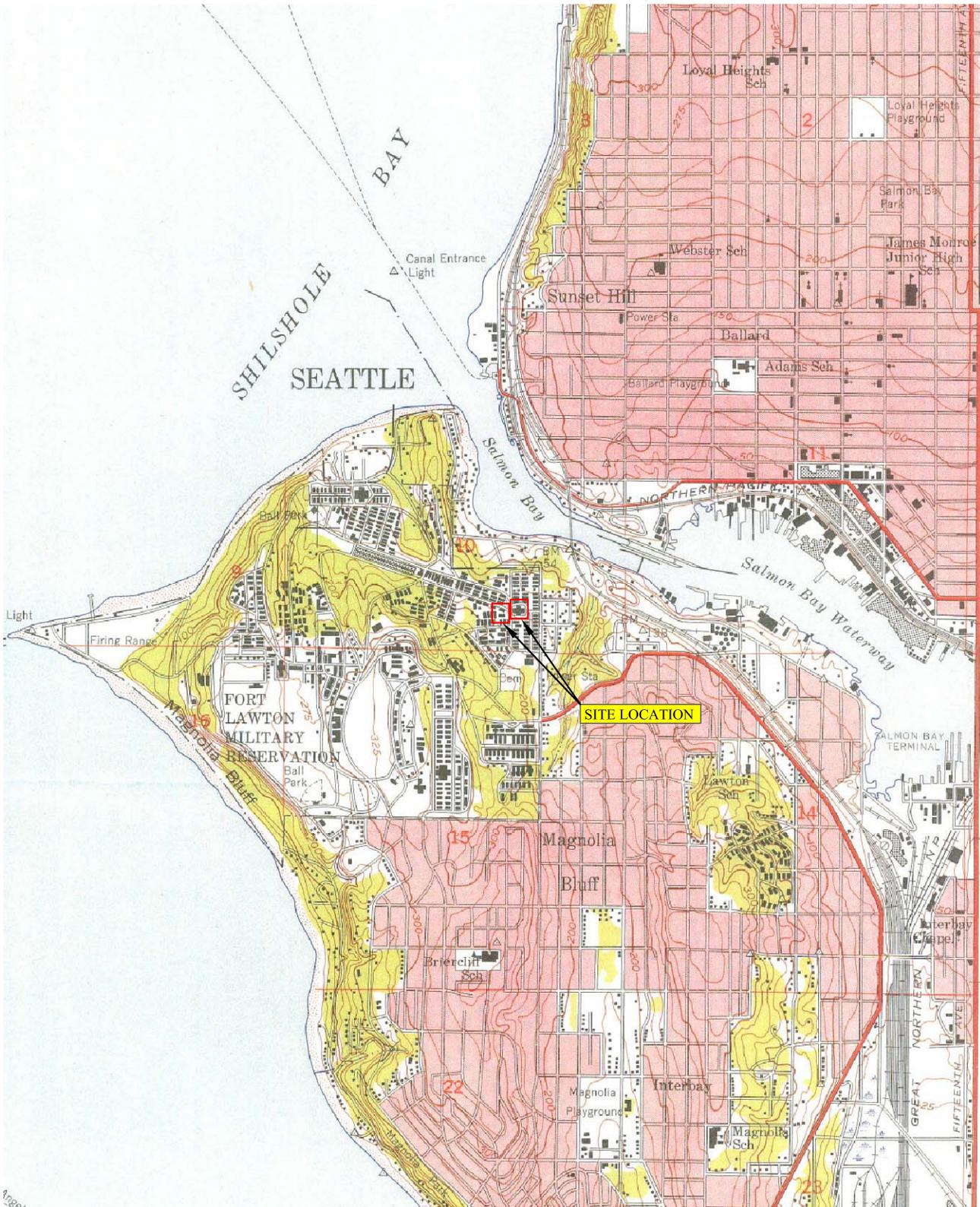
FIGURE 8
1897 USGS 7.5 TOPOGRAPHIC MAP
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON



SCALE: 1:62500
 APPROXIMATE SCALE

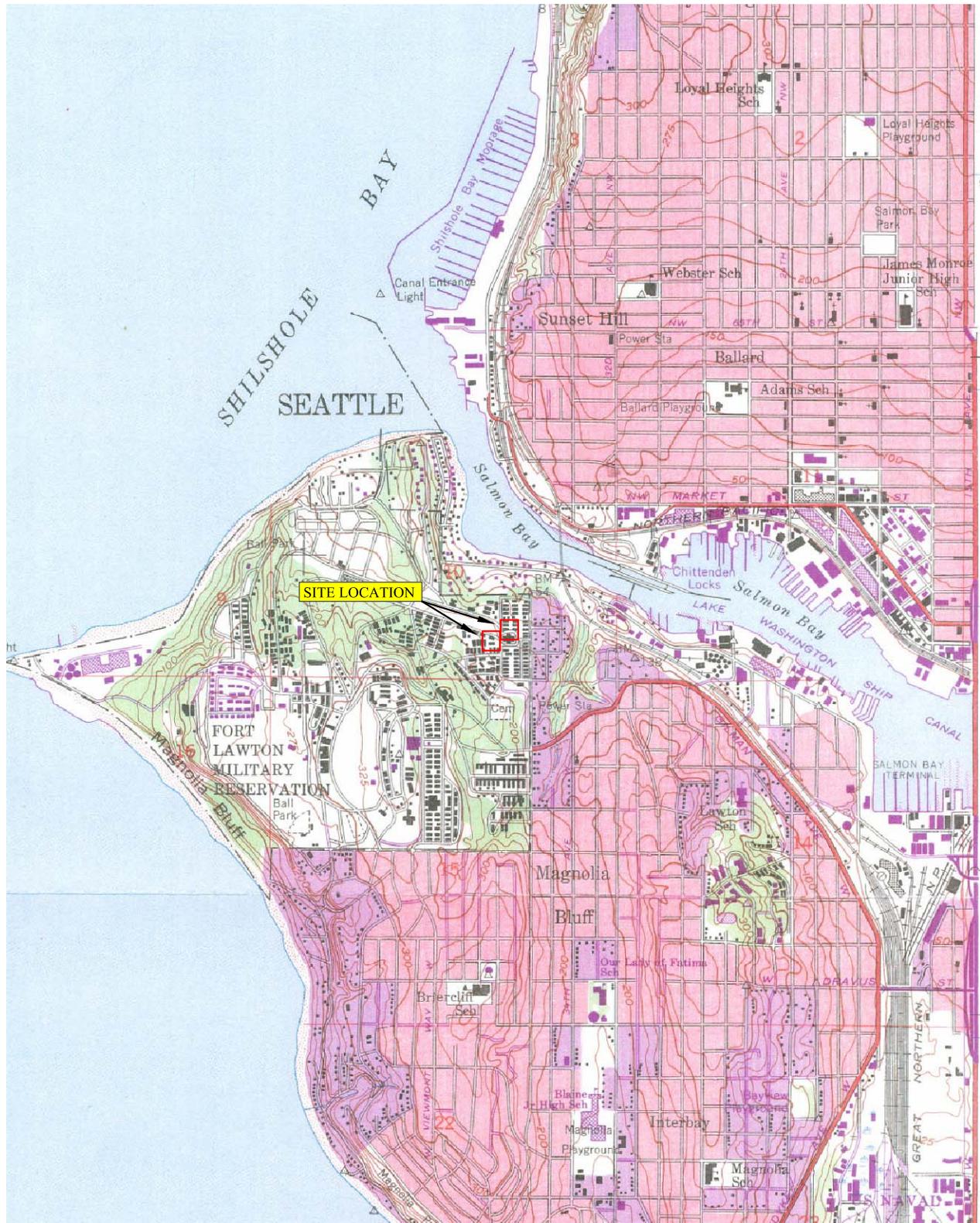


FIGURE 9
 1909 USGS 7.5 TOPOGRAPHIC MAP
 LEISY HALL USARC AND AMSA 79-WA030
 4570 TEXAS WAY WEST
 SEATTLE, WASHINGTON



SCALE: 1:24000
 APPROXIMATE SCALE

FIGURE 10
 1949 USGS 7.5 TOPOGRAPHIC MAP
 LEISY HALL USARC AND AMSA 79-WA030
 4570 TEXAS WAY WEST
 SEATTLE, WASHINGTON



SCALE: 1:24000
APPROXIMATE SCALE

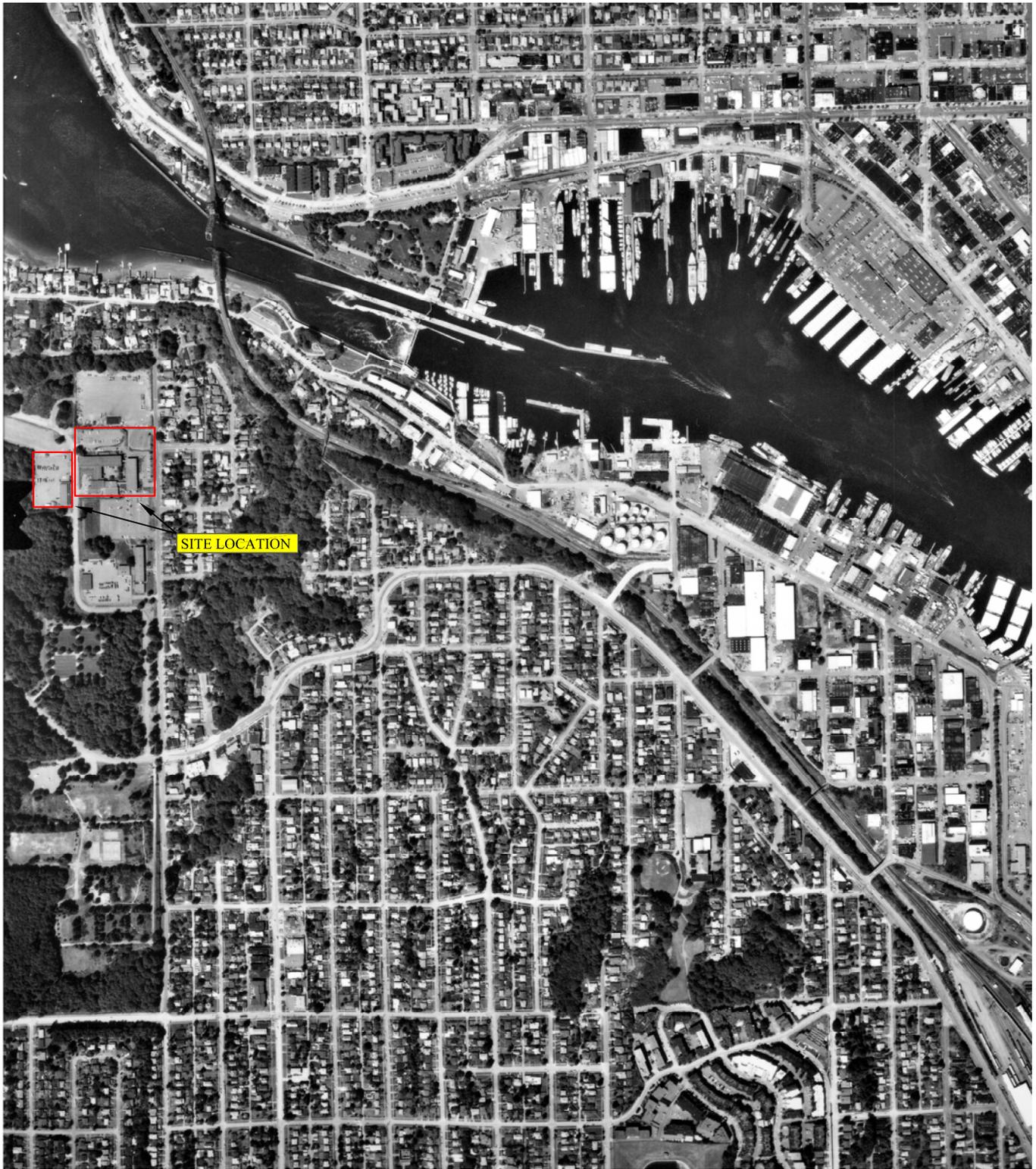
FIGURE 11
1968 USGS 7.5 TOPOGRAPHIC MAP
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON



SCALE: 1"=400'
APPROXIMATE SCALE

AERIAL PHOTOGRAPH PROVIDED BY EDR

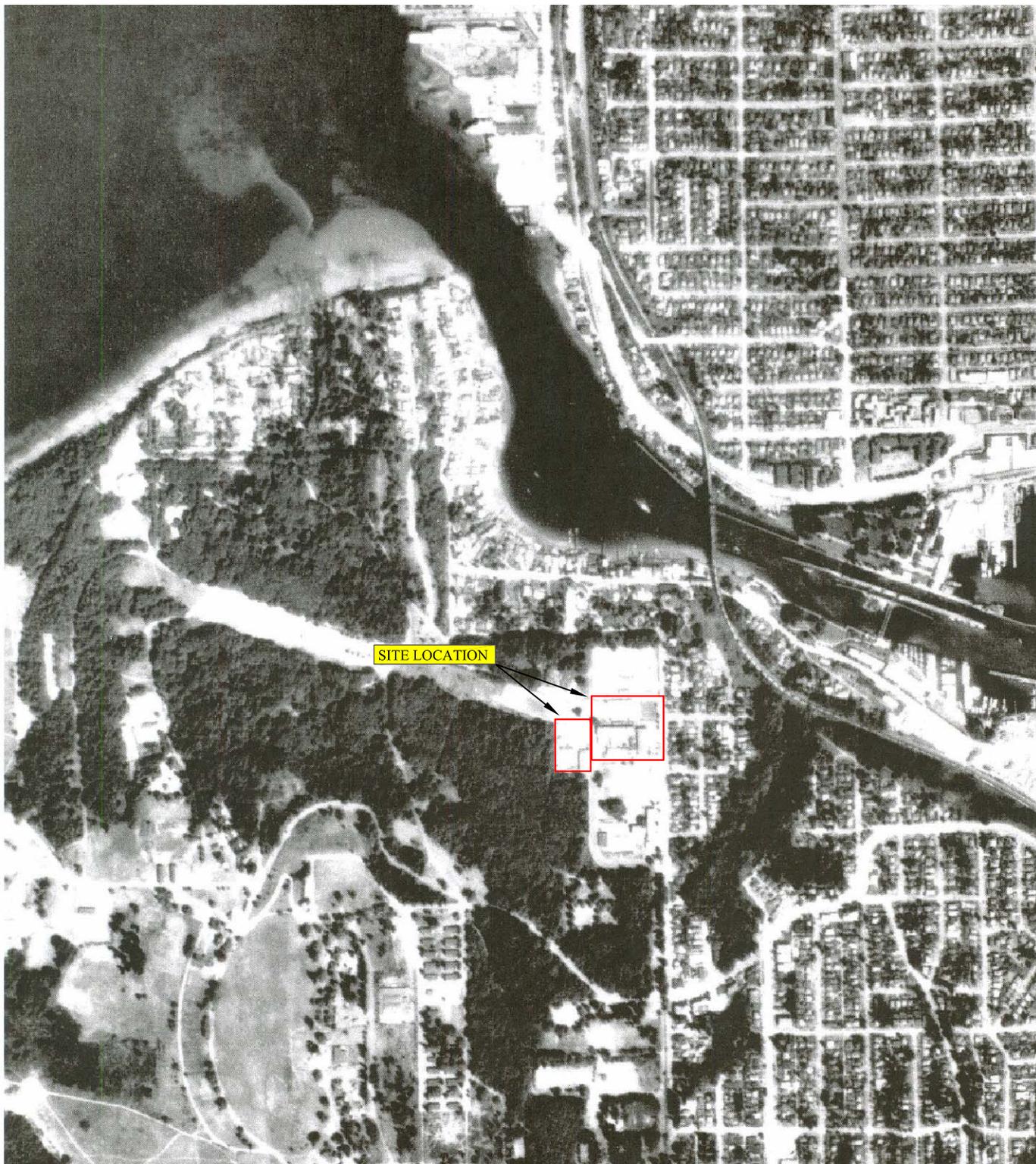
FIGURE 12
1977 AERIAL PHOTOGRAPH
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON



SCALE: 1"=400'
APPROXIMATE SCALE

AERIAL PHOTOGRAPH PROVIDED BY EDR

FIGURE 13
1985 AERIAL PHOTOGRAPH
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON



SCALE: 1"=500'
APPROXIMATE SCALE

AERIAL PHOTOGRAPH PROVIDED BY EDR

FIGURE 14
1990 AERIAL PHOTOGRAPH
LEISY HALL USARC AND AMSA 79-WA030
4570 TEXAS WAY WEST
SEATTLE, WASHINGTON

APPENDIX B

SITE RECONNAISSANCE PHOTOGRAPHS



Photograph 1. View of the main entrance to the Leisy Hall from the POV area, looking southwest



Photograph 2. Eastern exterior of the Leisy Hall, looking southwest



Photograph 3. View of Leisy Hall from the south, looking north



Photograph 4. View of the 4,000 gallon capacity diesel fuel AST (pictured left) and associated diesel generator (pictured right) situated south of Leisy Hall



Photograph 5. Grease trap access located south of the Leisy Hall



Photograph 6. View of freight elevator access



Photograph 7. Oil/water separator situated in the POV area northeast of Leisy Hall



Photograph 8. Typical office area in Leisy Hall



Photograph 9. Typical hallway in Leisy Hall



Photograph 10. Training room interior



Photograph 11. Drill hall interior



Photograph 12. View of the AMSA 79 Building



Photograph 13. South and eastern exterior of the AMSA 79 Building



Photograph 14. Western exterior of the AMSA 79 Building



Photograph 15. Hazmat storage shed situated on the western portion of the AMSA 79 Site



Photograph 16. Used oil 500-gallon capacity AST located inside of the hazmat storage shed



Photograph 17. POL storage in the hazmat storage shed



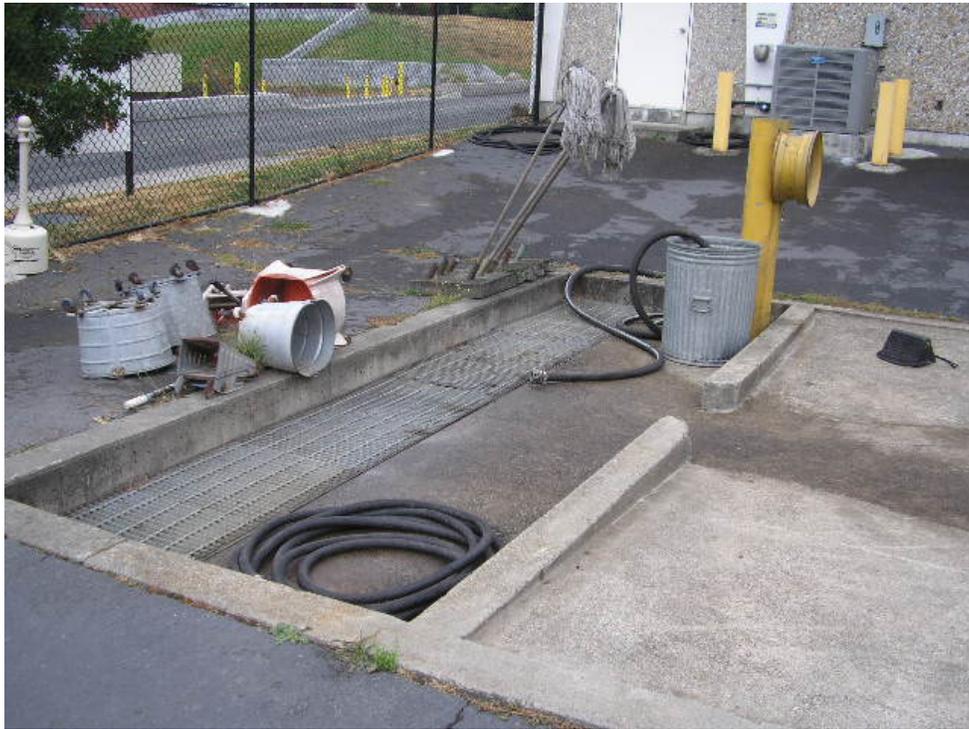
Photograph 18. Interior view of the hazmat storage shed utilized for corrosives and a radioactive storage cabinet



Photograph 19. Hazardous material storage structure situated on the southeast portion of the AMSA 79 Site



Photograph 20. View of the former hazardous materials storage building (pictured left), overhang, and former UST location (right of overhang area)



Photograph 21. Vehicle wash rack area north of AMSA 79



Photograph 22. Oil/water separator situated downgradient of the AMSA 79 wash rack area



Photograph 23. Oil/water separator situated north and outside of the AMSA 79 fence area



Photograph 24. View of concrete pad associated with a former fuel island and UST area situated on the northwest portion of the AMSA 79 Site



Photograph 25. View of the interior vehicle maintenance bay areas inside of the AMSA 79



Photograph 26. Oil and grease storage in the AMSA 79



Photograph 27. Solvent sink, filter crusher, 55-gallon drum containing crushed oil filters and a flammable storage cabinet



Photograph 28. View of flammable storage cabinets



Photograph 29. View of approximately 200-gallon capacity hydraulic oil AST utilized for the vehicle lift



Photograph 30. View of the vehicle lift



Photograph 31. Acetylene and oxygen canister storage in the AMSA 79 Building



Photograph 32. Diesel powered forklift



Photograph 33. Battery charging room



Photograph 34. View of the break room in the AMSA 79 Building



Photograph 35. View of Harvey Hall, an adjoining USARC installation situated south of Leisy Hall and southwest of the AMSA 79



Photograph 36. View of the Fort Lawton Army Reserve Center (FLARC) OMS Building on the adjoining property to the north of Leisy Hall and to the northeast of AMSA 79



Photograph 37. View of the FLARC administration building situated west of AMSA 79



Photograph 38. View of residential area situated east of Leisy Hall, looking south along 36th Avenue West

APPENDIX C

**PROPERTY HISTORICAL CHAIN OF TITLE REPORT
AND ENVIRONMENTAL LIEN REPORT**



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

**2LT ROBERT R. LEISY/AMSA #79
4570 TEXAS WAY
SEATTLE, WASHINGTON**

Submitted to:

**ENVIRONMENTAL DATA RESOURCES, INC.
C/O
FMSM ENGINEERS
1901 Nelson Miller Parkway
Louisville, Kentucky 40223
(502) 212-5000**

Attention: Rob Newman

Project No. N06-4831

Friday, September 08, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

CITY OF SEATTLE, a municipal corporation

The following is the current property legal description:

Being that parcel or tract of land, known as the AMSA No. 79 Building, situated and lying in Section 15, Township 25 North, Range 3 East in the City of Seattle, King County, State of Washington

Assessor's Parcel No: 1525039012 (portion)

1. HISTORICAL CHAIN OF TITLE

1. The United States of America acquired title to the lands comprising Fort Lawton from eighteen (18) separate deeds in the late 1800's

2. QUIT CLAIM DEED:

RECORDED: 10-06-1972

GRANTOR: United States of America, acting by and through the
Secretary of the Interior

GRANTEE: City of Seattle, municipal corporation

INSTRUMENT: 7210060370

COMMENTS: This is a conveyance of 390.9 acres of land within Fort
Lawton and Discovery Park

2. LEASES AND MISCELLANEOUS

1. No institutional controls or engineering controls were found of record.

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and FMSM Engineers, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.



The EDR Environmental Lien Search Report

**2LT ROBERT R. LEISY/AMSA #79
4570 TEXAS WAY
SEATTLE, WASHINGTON**

Wednesday, September 13, 2006

Project Number: L06-4832

The Standard In Environmental Risk Management Information

**440 Wheelers Farm Road
Milford, Connecticut 06460**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802**

ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

**2LT ROBERT R. LEISY/AMSA #79
4570 TEXAS WAY
SEATTLE, WASHINGTON**

DEED INFORMATION

Type of Deed: WD QCD Other

Title is vested in: City of Seattle, a municipal corporation

Title received from: United States of America, acting by and through the Secretary of the Interior

Deed Recorded: 10-06-1972
Instrument No: 7210060370

LEGAL DESCRIPTION

Description: Being that parcel or tract of land, known as the AMSA No. 79 Building, situated and lying in Section 15, Township 25 North, Range 3 East in the City of Seattle, King County, State of Washington

Assessor's Parcel Number: 1525039012 (portion)

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

1st Party:

2nd Party:

Recorded:

Book:

Page:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found Not Found

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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APPENDIX E

REGULATORY DATABASE SEARCH REPORTS



EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

2LT Robert R. Leisy/AMSA #79
Texas Way
Seattle, WA 98199

Inquiry Number: 1722159.6

Latitude = 47.6642

Longitude = 122.407

Thursday, July 27, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050

Fax: 1-800-231-6802

Internet: www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8th of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources: July 27, 2006

Target Property:

Texas Way
Seattle, WA 98199

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Address Not Listed in Research Source	R.L. Polk Co publishers
1925	Address Not Listed in Research Source	R.L. Polk Co publishers
1930	Address Not Listed in Research Source	R.L. Polk Co publishers
1935	Address Not Listed in Research Source	R.L. Polk Co publishers
1940	Address Not Listed in Research Source	R.L. Polk Co publishers
1944	Address Not Listed in Research Source	Pacific Telephone Telegraph Co
1951	Address Not Listed in Research Source	R.L. Polk Co publishers
1955	Address Not Listed in Research Source	R.L. Polk Co publishers
1960	Address Not Listed in Research Source	R.L. Polk Co publishers
1966	Address Not Listed in Research Source	R.L. Polk Co publishers
1969	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1970	Address Not Listed in Research Source	R.L. Polk Co Publishers
1971	Address Not Listed in Research Source	Pacific Northwest Bell Telephone Company
1975	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1977	Address Not Listed in Research Source	R.L. Polk Co. Publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1981	Address Not Listed in Research Source	R. L. Polk Co. Publisher
1985	Address Not Listed in Research Source	R. L. Polk Co. Publisher
1986	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1990	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1991	Address Not Listed in Research Source	R.L Polk Co Publishers
1996	Address Not Listed in Research Source	R.L. Polk Co. Publishers
2005	Address Not Listed in Research Source	Cole Information Services

Adjoining Properties

SURROUNDING

Multiple Addresses
Seattle, WA 98199

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Address Not Listed in Research Source	R.L. Polk Co publishers
1925	<u>**E 40TH AVE**</u> ANGELL HOWARD M KATH SLSMN H (4812)	R.L. Polk Co publishers
	<u>**40TH AVE**</u> WISON JAS LORENE J MECH H (4823)	R.L. Polk Co publishers
1930	<u>**E 40TH AVE**</u> THOMPSON LOUIS W DELLA M SLSMN L W SUTER H (4805) ANGELL GEO W MARIE LAB H (4812) CO H (4812) HICKS FRED N ANNA W ASST TRAFFIC MGR CM ST P&PRRCO H (4828) HELEN ROBT H STDT UOF W R (4828) ADAMS HAROLD W ELIZ ARCHT HENRY BITTMAN (4840) H (4840)	R.L. Polk Co publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	(continued) CHOSE P J GLADYS A SLSMN H (4848)	
1935	<u>**E 40TH AVE**</u> THOMPSON LOUIS W DELLA M THOMPSON & JEANNERET H (4805) ANGELL HOWARD M KATH E SLSMN ACME STEEL CO H (4812) LOUGHRIDGE DONALD H ADA ASST PROF UOF W HI (4824) HIC FRED N ANN W WESTERN TRAFFI MGR CMST P& PRRCO H (4828) DENTAL BLDG H (4840) LOWE MILTON W MARGT L DENTIST (4840) CHOSE P J GLADYS SLSMN E R SQUIBB & SONS H (4848)	R.L. Polk Co publishers
1940	Address Not Listed in Research Source	R.L. Polk Co publishers
1944	<u>**W LAWTON ST**</u> IRWLN CLIFFORD L (3718)	Pacific Telephone Telegraph Co
1951	<u>**LAWTON W**</u> BANES H E (3703) IRWIN C A AL (3718)	R.L. Polk Co publishers
1955	<u>**W LAWTON ST**</u> LUNDQUIST DONALD (3703) EANES HAROLD (3718) IRWIN CHARLOTTE A MRS (3718) MARTY JOE I (3760) CAMPION ROBT D (3764)	R.L. Polk Co publishers
1960	<u>**W LAWTON ST**</u> LUNDQUIST DONALD (3703) CADWELL C CLARK III A AT (3718) IRWIN CHARLOTTE A MRS A AT (3718) ODION EDWIN P (3724) MARTY JOE F A AT (3760) CAMPION ROBT D A AT (3764)	R.L. Polk Co publishers
1966	<u>**W LAWTON ST**</u> VACANT (3703) LUNDQUIST DONALD (3718) ODION EDWIN P (3734) VACANT (3754) NO RETURN (3760)	R.L. Polk Co publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	(continued) CAMPION ROBT D O AT (3764)	
1969	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1970	<u>**W LAWTON ST**</u> VACANT (3703) PERREAULT HAROLD R AT (3718) ODION MARY MRS (3734) QUAM DAVID J O AT (3752) STEVENS A J S (3754) MARTY JOE F AT (3760) CAMPION ROBT D O AT (3764)	R.L. Polk Co Publishers
1971	Address Not Listed in Research Source	Pacific Northw est Bell Telephone Company
1975	<u>**W LAWTON ST**</u> PERREAULT HAROLD R (3718) ODION MARY MRS (3734) QUAM DAVID J (3752) STEVENS ANDREW J (3754) MARTY JOE F (3760) CAMPION ROBT D (3764)	R.L. Polk Co. Publishers
1977	Address Not Listed in Research Source	R.L. Polk Co. Publishers
1980	<u>**W LAWTON ST**</u> PERRAULT HAROLD R (3718) KOLBASE ERNEST (3722) MAINARD MARY (3734) QUAM DAVID J (3752) STEVENS GUY P (3754) MARTY JOE F (3760) CAMPION ROBT D (3764)	R.L. Polk Co. Publishers
1981	Address Not Listed in Research Source	R. L. Polk Co. Publisher
1985	Address Not Listed in Research Source	R. L. Polk Co. Publisher
1986	<u>**W LAWTON ST**</u> PERRAULT H R CONSTRUCTION CO GENL CONSTN (3718)	R.L. Polk Co. Publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	(continued) PERRAULT HAROLD R (3718) NO RETDRN` (3722) NO RETURN (3734) QUAM DAVID J (3752) STEVENS ANDREW J II (3754) MARTY ADELINE MRS (3760) CAIP 16N ROBT D` (3764)	
1990	<u>**W LAWTON ST**</u> LI KA (3718) KOLHASE ERNEST (3722) ODION MARY (3734) QUAM DAVID J (3752) STEVENS ANDREW J II (3754) MARTY ADELINE MRS (3760) CARNPION ROBT D (3764) MEHRER DONALD D (3774)	R.L. Polk Co. Publishers
1991	Address Not Listed in Research Source	R.L. Polk Co Publishers
1996	<u>**W 40TH AVE**</u> GREY MA IN L JR (4820)	R.L. Polk Co. Publishers
	<u>**W LAWTON ST**</u> RE MAN PETER (3700) RENMUN DEBRA (3700) PROCHASK WAYNE (3704) OUAM DACID J (3752) WILDER FPO RH (3752) MARTY JOE F (3760) CAMPION ROBED D (3764) MEHRER DONALD (3774) MOHBRR SHIRLEY (3774)	R.L. Polk Co. Publishers
2005	<u>**W LAWTON ST**</u> EK DEBRA P RET 8NAN (3700) I PETERT RETMAN (3700) KRI MNE M MKET (3704) MARK D MTCHKE (3704)	Cole Information Services

Year Uses

Source

2005 (continued)

- NO OCCUPANT (3722)
- DOUG FRELRICK MC ELROY (3726)
- TO N M MU CROY L (3726)
- CRISTNE LSTERLING (3734)
- SHANE M ST EERING (3734)
- ALDINE C DEWBERRY (3752)
- ALDINE DEW BERRY (3752)
- FLORENCE MSTEVENSON (3754)
- JULIA HOLMAN (3760)
- LINDA R WAYS (3770)
- PAUL G AYRNE (3770)
- DONALD DMEHRER (3774)
- SHWI A MEHRER (3774)

****40TH AVE W****

Cole Information Services

- DANA M JACKSON (4812)
- SCOTT LSE JACKSON (4812)
- JILL M GRAY (4820)
- MARVIN LEE GRAY JR (4820)

The EDR Aerial Photo Decade Package

2LT Robert R. Leisy/AMSA #79

**4570 Texas Way
Seattle, WA 98199**

Inquiry Number: 1722159.5

July 25, 2006



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

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Telephone: 1-800-352-0050
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EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography July 25, 2006

Target Property:

4570 Texas Way
Seattle, WA 98199

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1977	Aerial Photograph. Scale: 1"=750'	Panel #: 2447122-F4/Flight Date: September 05, 1977	EDR
1990	Aerial Photograph. Scale: 1"=833'	Panel #: 2447122-F4/Flight Date: July 10, 1990	EDR



INQUIRY #: 1722159.5

YEAR: 1977

— = 750'





INQUIRY #: 1722159.5

YEAR: 1990

| = 833'





EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**2LT Robert R. Leisy/AMSA #79
4570 Texas Way
Seattle, WA 98199**

Inquiry Number: 1722159.2s

July 25, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4570 TEXAS WAY
SEATTLE, WA 98199

COORDINATES

Latitude (North): 47.664200 - 47° 39' 51.1"
Longitude (West): 122.407200 - 122° 24' 25.9"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 544507.8
UTM Y (Meters): 5278930.0
Elevation: 141 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47122-F4 SHILSHOLE BAY, WA
Most Recent Revision: 1983

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
US ARMY USAR AMSA 79 FORT LAWTON 4570 TEXAS WAY W SEATTLE, WA 98199	RCRA-SQG FINDS MANIFEST	WA3210090095
US ARMY CENTER FORT LAWTON 4570 TEXAS WAY W SEATTLE, WA 98199	CSCSL VCP	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSL	Hazardous Sites List
CSCSL NFA	Confirmed & Contaminated Sites - No Further Action
SWF/LF	Solid Waste Facility Database
SWTIRE	Solid Waste Tire Facilities
AST	Aboveground Storage Tank Locations
SPILLS	Reported Spills
INST CONTROL	Institutional Control Site List
DRYCLEANERS	Drycleaner List
CDL	Clandestine Drug Lab Contaminated Site List
EMI	Washington Emissions Data System
INACTIVE DRYCLEANERS	Inactive Drycleaners

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
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SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 05/11/2006 has revealed that there are 11 CSCSL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DISCOVERY PARK OLD MAINT YD	DISCOVERY PARK 40TH W W	1/2 - 1 S	9	20
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>US ARMY COE LAKE WASHINGTON SH</i>	<i>3015 NW 54TH ST</i>	<i>1/2 - 1 ENE</i>	<i>7</i>	<i>14</i>
TIME OIL SEATTLE	2750 2737 2805 W COMMODORE	1/2 - 1 E	8	17
<i>JACOBSON TERMINAL INC</i>	<i>5355 28 AVENUE NW</i>	<i>1/2 - 1 ENE</i>	<i>10</i>	<i>21</i>
<i>NW MARKET ST SITE</i>	<i>2801 NW MARKET ST</i>	<i>1/2 - 1 ENE</i>	<i>11</i>	<i>22</i>
<i>TIME OIL CO SEATTLE TERMINAL</i>	<i>2737 W COMMODORE WAY</i>	<i>1/2 - 1 E</i>	<i>12</i>	<i>24</i>
SHINING OCEAN	2440 W COMMODORE WAY	1/2 - 1 ESE	13	31
WASHINGTON MARINE ENG CORP	4403 24TH AVE W	1/2 - 1 ESE	14	32
<i>ER & JR SUTTER LLC</i>	<i>2360 W COMMODORE WAY</i>	<i>1/2 - 1 ESE</i>	<i>15</i>	<i>34</i>
SERVICE STATION FORMER	5600-5614 24TH AVE NW	1/2 - 1 ENE	C16	41
<i>CHUCKS BALLARD SVC</i>	<i>5615 24TH NW</i>	<i>1/2 - 1 ENE</i>	<i>C17</i>	<i>43</i>

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 03/08/2006 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RIC'S AUTOMOTIVE & TEXACO INC</i>	<i>3317 W GOVERNMENT WAY</i>	<i>1/4 - 1/2 SE</i>	<i>B6</i>	<i>11</i>

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 04/27/2006 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AMSA#7 124TH ARCOM	4575 36TH AVE WEST	1/8 - 1/4 ESE	3	9
SEATTLE USARC, LEISY HALL	4515 36TH AVE W BLDG220	1/8 - 1/4 SE	4	9

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there is 1 ICR site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TEXACO	3317 W. GOVERNMENT WAY	1/4 - 1/2 SE	B5	10

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
SEATTLE MONORAIL PROJECT	CSCSL, VCP
TIME OIL/BILL'S TIRES	CSCSL, ICR
LOCKHEED SHIPYARD NO. 2	CERCLIS
HOUGHTON	SWF/LF
PUYALLUP/KIT CORNER	SWF/LF
VASHON ISLAND	SWF/LF
HOUGHTON ABANDONED LANDFILL	SWF/LF
FALL CITY ABANDONED LANDFILL	SWF/LF
INTERBAY	SWF/LF
SIXTH SOUTH AND SOUTH OF SPOKANE	SWF/LF
GENESEE LANDFILL	SWF/LF
MONTLAKE DISPOSAL SITE	SWF/LF
NORTH AURORA DISPOSAL SITE	SWF/LF
WEST SEATTLE - HARBOR AVENUE	SWF/LF
SOUTH PARK	SWF/LF
JUDKINS STREET DISPOSAL SITE	SWF/LF
RAINIER LANDFILL	SWF/LF
SICKS STADIUM SITE	SWF/LF
POSSIBLY FROM VESSEL ROBERT N.	SPILLS
A & R SAWING & DRILLING	SPILLS
ARNOLD'S DELI	LUST, CSCSL NFA, ICR
SEATTLE CITY PARKS RECREAT	RCRA-SQG, FINDS
SR 99 & FIRST AVE. BRIDGE SPILL/WS	ICR

OVERVIEW MAP - 1722159.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

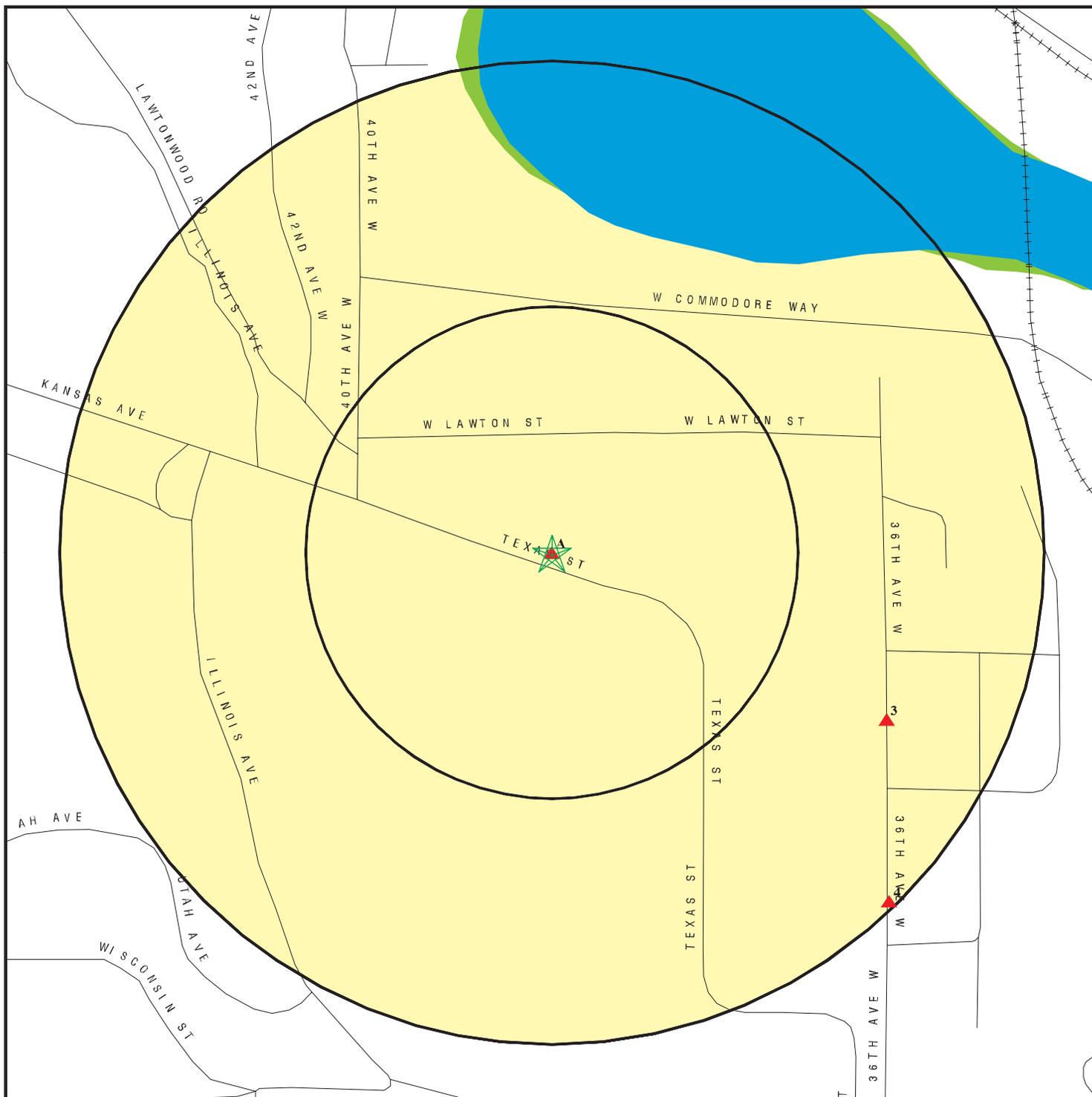
- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2LT Robert R. Leisy/AMSA #79
 ADDRESS: 4570 Texas Way
 Seattle WA 98199
 LAT/LONG: 47.6642 / 122.4072

CLIENT: FMSM Engineers
 CONTACT: Rob Newman
 INQUIRY #: 1722159.2s
 DATE: July 25, 2006

DETAIL MAP - 1722159.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🗑 Landfill Sites
- 🏢 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2LT Robert R. Leisy/AMSA #79
 ADDRESS: 4570 Texas Way
 Seattle WA 98199
 LAT/LONG: 47.6642 / 122.4072

CLIENT: FMSM Engineers
 CONTACT: Rob Newman
 INQUIRY #: 1722159.2s
 DATE: July 25, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
CSCSL	X	1.000	0	0	0	11	NR	11
HSL		1.000	0	0	0	0	NR	0
CSCSL NFA		0.500	0	0	0	NR	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	1	NR	NR	1
UST		0.250	0	2	NR	NR	NR	2
AST		0.250	0	0	NR	NR	NR	0
MANIFEST	X	0.250	0	0	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP	X	0.500	0	0	0	NR	NR	0
ICR		0.500	0	0	1	NR	NR	1
DRYCLEANERS		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
CDL		TP	NR	NR	NR	NR	NR	0
WA Emissions		TP	NR	NR	NR	NR	NR	0
INACTIVE DRYCLEANERS		0.250	0	0	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **US ARMY USAR AMSA 79 FORT LAWTON**
Target **4570 TEXAS WAY W**
Property **SEATTLE, WA 98199**

RCRA-SQG **1000365135**
FINDS **WA3210090095**
MANIFEST

Site 1 of 2 in cluster A

Actual:
141 ft.

RCRAInfo:
 Owner: 70TH REGIONAL SUPPORT COMMAND
 206281-3142
 EPA ID: WA3210090095
 Contact: Not reported
 Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

WA MANIFEST:

Facility Site ID Number: 31548659
 Permit by Rule: False
 Treatment by Generator: False
 Mixed radioactive waste: False
 Importer of hazardous waste: False
 Immediate recycler: False
 Treatment/Storage/Disposal/Recycling Facility: False
 Generator of dangerous fuel waste: False
 Generator marketing to burner: False
 "Other marketers (i.e., blender, distributor, etc.)": False
 Utility boiler burner: False
 Industry boiler burner: False
 Industrial Furnace: False
 Smelter defferal: False
 Universal waste - batteries - generate: False
 Universal waste - thermostats - generate: False
 Universal waste - mercury - generate: False
 Universal waste - lamps - generate: False
 Universal waste - batteries - accumulate: False
 Universal waste - thermostats - accumulate: False
 Universal waste - mercury - accumulate: False
 Universal waste - lamps - accumulate: False
 Destination Facility for Universal Waste: False
 Off-specification used oil burner - utility boiler: False
 Off-specification used oil burner - industrial boiler: False

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US ARMY USAR AMSA 79 FORT LAWTON (Continued)

1000365135

Off-specification used oil burner - industrial furnace: False
EPA ID: WA3210090095
Facility Address 2: Not reported
TAX REG NBR: NA
NAICS CD: 92811
BUSINESS TYPE: Army Reserve Center
MAIL NAME: Not reported
MAIL ADDR LINE1: 4570 TEXAS WAY WEST
MAIL CITY,ST,ZIP: SEATTLE, WA 98199-1015
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: USAR 70th Regional Readiness Command
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 4570 TEXAS WAY WEST
LEGAL CITY,ST,ZIP: SEATTLE, WA 98199-1015
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 206281-3142
LEGAL EFFECTIVE DATE: 02/24/98
LAND ORG NAME: USAR 70th Regional Readiness Command
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 4570 TEXAS WAY WEST
LAND CITY,ST,ZIP: SEATTLE, WA 98199-1015
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 206281-3142
OPERATOR ORG NAME: USAR Center Ft Lawton
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 4570 Texas Way W
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98199
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 206-281-3142
OPERATOR EFFECTIVE DATE: 09/01/96
SITE CONTACT NAME: Debra Winterton
SITE CONTACT ADDR LINE1: 4570 TEXAS WAY WEST
SITE CONTACT ZIP: SEATTLE, WA 98199-1015
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 2062813142
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Debra Winterton
FORM CONTACT ADDR LINE1: 4570 TEXAS WAY WEST
FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98199-1015
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 2062813142
FORM CONTACT EMAIL: Not reported
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US ARMY USAR AMSA 79 FORT LAWTON (Continued)

1000365135

USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
 USED OIL FUEL MRKTR MEETS SPECS: False

A2 US ARMY CENTER FORT LAWTON
Target 4570 TEXAS WAY W
Property SEATTLE, WA 98199

CSCSL S105735400
VCP N/A

Site 2 of 2 in cluster A

**Actual:
 141 ft.**

SHWS:
 Facility ID: 31548659
 MTBE Code: Not reported
 Prog plan code : 4
 UXO Code : Not reported
 Lat/Long : 47.66292 / -122.40356
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Final Independent Remedial Action Report received
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
 been confirmed by laboratory analysis (or field determination in the case of
 petroleum contamination)
 Affected Media : Soil
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
 Metals - Other non-priority pollutant medals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 39' 46.509999999999998" / 122° 24' 12.82"
 Media Id : 8982
 Media Type Description : Confirmed
 Media Status Description : Soil
 Tibutyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

VCP:
 Facility ID : 31548659
 WARM BIN # : Not reported
 Ecology Status : Independent Remedial Action
 NFA Code : Not reported
 Program Plan Code : 4

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

3 **AMSA#7 124TH ARCOM**
ESE **4575 36TH AVE WEST**
1/8-1/4 **SEATTLE, WA 98199**
1003 ft.

UST **U001122073**
 N/A

Relative:
Higher

UST:

Actual:
146 ft.

Facility ID: 31548659
 Site ID: 607
 Install Date: 12/31/1964 00:00:00
 Capacity: 111 TO 1,100 Gallons
 Status: Removed
 Tank Name: #3
 Substance: Used Oil/Waste Oil
 Compartment #: 1
 Tank ID: 30750
 Comartment ID: 31188
 Decimal Latitude: 47.66292
 Decimal Longitude: -122.40356
 Ecology Region: North Western

Facility ID: 31548659
 Site ID: 607
 Install Date: 12/31/1964 00:00:00
 Capacity: Not reported
 Status: Removed
 Tank Name: #2
 Substance: Not reported
 Compartment #: 1
 Tank ID: 30892
 Comartment ID: 31335
 Decimal Latitude: 47.66292
 Decimal Longitude: -122.40356
 Ecology Region: North Western

Facility ID: 31548659
 Site ID: 607
 Install Date: 12/31/1964 00:00:00
 Capacity: Not reported
 Status: Removed
 Tank Name: #1
 Substance: Unleaded Gasoline
 Compartment #: 1
 Tank ID: 30645
 Comartment ID: 31081
 Decimal Latitude: 47.66292
 Decimal Longitude: -122.40356
 Ecology Region: North Western

4 **SEATTLE USARC, LEISY HALL**
SE **4515 36TH AVE W BLDG220**
1/8-1/4 **SEATTLE, WA 98199**
1301 ft.

UST **U003028632**
 N/A

Relative:
Higher

Actual:
171 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SEATTLE USARC, LEISY HALL (Continued)

U003028632

UST:

Facility ID: 43998861
Site ID: 8724
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 3
Substance: Used Oil/Waste Oil
Compartment #: 1
Tank ID: 297
Comartment ID: 306
Decimal Latitude: 47.66147
Decimal Longitude: -122.40477
Ecology Region: North Western

Facility ID: 43998861
Site ID: 8724
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 1
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 241
Comartment ID: 248
Decimal Latitude: 47.66147
Decimal Longitude: -122.40477
Ecology Region: North Western

Facility ID: 43998861
Site ID: 8724
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 2
Substance: Not reported
Compartment #: 1
Tank ID: 199
Comartment ID: 206
Decimal Latitude: 47.66147
Decimal Longitude: -122.40477
Ecology Region: North Western

B5
SE
1/4-1/2
2482 ft.

TEXACO
3317 W. GOVERNMENT WAY
SEATTLE, WA 98199

ICR S104487706
N/A

Site 1 of 2 in cluster B

Relative:
Higher

WA ICR:
Date Ecology Received Report: 03/30/1992
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 92-23
County Code: 17.00000

Actual:
163 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TEXACO (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104487706

Contact: Not reported
Report Title: Not reported

B6
SE
1/4-1/2
2482 ft.

RIC'S AUTOMOTIVE & TEXACO INC
3317 W GOVERNMENT WAY
SEATTLE, WA 98199

LUST U003024934
UST N/A

Site 2 of 2 in cluster B

Relative:
Higher

LUST:

Facility ID: 100740
Facility Status: Cleanup Started
Release ID: 3260
Release Notification Date: 3/30/1992 00:00:00
Release Status Date: 3/30/1992 00:00:00
Alternate Name: TEXACO STATION MAGNOLIA
Lat/Lon: 47.65993 / -122.39967
Affected Media: Soil
FS ID: 12718765
Site Response Code Unit: NW

Actual:
163 ft.

Facility ID: 100740
Facility Status: Reported Cleaned Up
Release ID: 3260
Release Notification Date: 3/30/1992 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: TEXACO STATION MAGNOLIA
Lat/Lon: 47.65993 / -122.39967
Affected Media: Soil
FS ID: 12718765
Site Response Code Unit: NW

UST:

Facility ID: 12718765
Site ID: 100740
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 3OLD
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 13689
Comartment ID: 13898
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Removed
Tank Name: 4OLD
Substance: Not reported
Compartment #: 1
Tank ID: 15808
Comartment ID: 16046
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RIC'S AUTOMOTIVE & TEXACO INC (Continued)

U003024934

Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 3/19/1992 00:00:00
Capacity: 5,000 to 9,999 Gallons
Status: Operational
Tank Name: 2-6000
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 16409
Comartment ID: 16652
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 3/19/1992 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Operational
Tank Name: 5-550
Substance: Used Oil/Waste Oil
Compartment #: 1
Tank ID: 13974
Comartment ID: 14192
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Removed
Tank Name: 5OLD
Substance: Used Oil/Waste Oil
Compartment #: 1
Tank ID: 29688
Comartment ID: 30106
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 3/19/1992 00:00:00
Capacity: 5,000 to 9,999 Gallons
Status: Operational
Tank Name: 1-8000
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 1900
Comartment ID: 1944
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RIC'S AUTOMOTIVE & TEXACO INC (Continued)

U003024934

Facility ID: 12718765
Site ID: 100740
Install Date: 3/19/1992 00:00:00
Capacity: 5,000 to 9,999 Gallons
Status: Operational
Tank Name: 3-6000
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 42690
Comartment ID: 43292
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 2OLD
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 2987
Comartment ID: 3036
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 1OLD
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 5132
Comartment ID: 5234
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

Facility ID: 12718765
Site ID: 100740
Install Date: 3/19/1992 00:00:00
Capacity: 1,101 to 2,000 Gallons
Status: Operational
Tank Name: 4-2000
Substance: Diesel
Compartment #: 1
Tank ID: 12736
Comartment ID: 12931
Decimal Latitude: 47.65993
Decimal Longitude: -122.39967
Ecology Region: North Western

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

7
ENE
1/2-1
2777 ft.

US ARMY COE LAKE WASHINGTON SHIP CANAL
3015 NW 54TH ST
SEATTLE, WA 98107

RCRA-SQG
CSCSL
FINDS
SPILLS
MANIFEST

1001820665
WA3960010152

Relative:
Lower

RCRAInfo:

Owner: WA ARMY COE SEATTLE DIST PORT
 (206)783-7001

EPA ID: WA3960010152

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

Actual:
41 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

SHWS:

Facility ID: 2460
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.667639000000001 / -122.39852999999999

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
 Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: B (Below) - The presence of hazardous substances below MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum products). The B code may only be applied following completion of analytical work in conjunction with a Site Hazard Assessment (SHA) or Remedial Investigation/Feasibility Study (RI/FS)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Below MTCA cleanup levels

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US ARMY COE LAKE WASHINGTON SHIP CANAL (Continued)

1001820665

Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 40' 3.5" / 122° 23' 54.71000000000001"
 Media Id : 3620
 Media Type Description : Below Cleanup L
 Media Status Description : Groundwater
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

Facility ID: 2460
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.667639000000001 / -122.39852999999999

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet
 cleanup levels established for the site. (This status determination may only be made
 by Ecology

Affected Media : Soil
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Not reported
 Metals - Other non-priority pollutant medals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Treated, removed, or contained
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 40' 3.5" / 122° 23' 54.71000000000001"
 Media Id : 3621
 Media Type Description : Remediated
 Media Status Description : Soil
 Tributyl Tin Contaminant Group : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US ARMY COE LAKE WASHINGTON SHIP CANAL (Continued)

1001820665

Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

WA SPILL:

Facility ID: 552264
 Material Desc : UNKNOWN
 Medium: SURFACE WATER-FRESH
 Material Qty: 1
 Material Units: SHEEN
 Date Received: 2005-12-11 00:00:00
 Contact Name: UNK
 Company Name: Not reported

WA MANIFEST:

Facility Site ID Number: 2460
 Permit by Rule: False
 Treatment by Generator: False
 Mixed radioactive waste: False
 Importer of hazardous waste: False
 Immediate recycler: False
 Treatment/Storage/Disposal/Recycling Facility: False
 Generator of dangerous fuel waste: False
 Generator marketing to burner: False
 "Other marketers (i.e., blender, distributor, etc.)": False
 Utility boiler burner: False
 Industry boiler burner: False
 Industrial Furnace: False
 Smelter deferral: False
 Universal waste - batteries - generate: False
 Universal waste - thermostats - generate: False
 Universal waste - mercury - generate: False
 Universal waste - lamps - generate: False
 Universal waste - batteries - accumulate: False
 Universal waste - thermostats - accumulate: False
 Universal waste - mercury - accumulate: False
 Universal waste - lamps - accumulate: False
 Destination Facility for Universal Waste: False
 Off-specification used oil burner - utility boiler: False
 Off-specification used oil burner - industrial boiler: False
 Off-specification used oil burner - industrial furnace: False
 EPA ID: WA3960010152
 Facility Address 2: Not reported
 TAX REG NBR: NA
 NAICS CD: 92811
 BUSINESS TYPE: Not reported
 MAIL NAME: US ARMY COE
 MAIL ADDR LINE1: 3015 NW 54TH ST
 MAIL CITY,ST,ZIP: SEATTLE, WA 98107-4213
 MAIL COUNTRY: UNITED STATES
 LEGAL ORG NAME: US ARMY COE Seattle Dist Port
 LEGAL ORG TYPE: Federal
 LEGAL ADDR LINE1: P.O. Box 3755
 LEGAL CITY,ST,ZIP: SEATTLE, WA 98124-3755
 LEGAL COUNTRY: UNITED STATES
 LEGAL PHONE NBR: (206)783-7001
 LEGAL EFFECTIVE DATE: 02/15/01
 LAND ORG NAME: WA ARMY COE Seattle Dist Port

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US ARMY COE LAKE WASHINGTON SHIP CANAL (Continued)

1001820665

LAND ORG TYPE: Federal
 LAND PERSON NAME: Not reported
 LAND ADDR LINE1: PO BOX 3755
 LAND CITY,ST,ZIP: SEATTLE, WA 98124-3755
 LAND COUNTRY: UNITED STATES
 LAND PHONE NBR: (206)783-7001
 OPERATOR ORG NAME: WA ARMY COE Seattle Dist Port
 OPERATOR ORG TYPE: Federal
 OPERATOR ADDR LINE1: PO Box 3755
 OPERATOR ADDR LINE2: USACE NPS EN GT EM
 OPERATOR CITY,ST,ZIP: SEATTLE, WA 98124-3755
 OPERATOR COUNTRY: UNITED STATES
 OPERATOR PHONE NBR: (206)783-7001
 OPERATOR EFFECTIVE DATE: 07/24/96
 SITE CONTACT NAME: Dru E Butterfield
 SITE CONTACT ADDR LINE1: 3015 NW 54TH ST
 SITE CONTACT ZIP: SEATTLE, WA 98107-4213
 SITE CONTACT COUNTRY: UNITED STATES
 SITE CONTACT PHONE NBR: 206-789-2622 201
 SITE CONTACT EMAIL: dru.e.butterfield@usace.army.mil
 FORM CONTACT NAME: Dru E Butterfield
 FORM CONTACT ADDR LINE1: 3015 NW 54TH ST
 FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98107-4213
 FORM CONTACT COUNTRY: UNITED STATES
 FORM CONTACT PHONE NBR: 206789-2622 202
 FORM CONTACT EMAIL: dru.e.butterfield@usace.army.mil
 GEN STATUS CD: SQG
 MONTHLY GENERATION: False
 BATCH GENERATION: True
 ONE TIME GENERATION: False
 TRANSPORTS OWN WASTE: False
 TRANSPORTS OTHRS WASTE: False
 RECYCLER ONSITE: False
 TRANSFER FACILITY: False
 OTHER EXEMPTION: Not reported
 UW BATTERY GEN: False
 USED OIL TRANSPORTER: False
 USED OIL TRANSFER FACILITY: False
 USED OIL PROCESSOR: False
 USED OIL REREFINER: False
 USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
 USED OIL FUEL MRKTR MEETS SPECS: False

8 TIME OIL SEATTLE
East 2750 2737 2805 W COMMODORE WAY
1/2-1 SEATTLE, WA 98199
3650 ft.

CSCSL S105613391
N/A

Relative: SHWS:
Lower Facility ID: 79565863
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.661943999999998 / -122.391666
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL SEATTLE (Continued)

S105613391

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 39' 43" / 122° 23' 30"
Media Id :	8938
Media Type Description :	Confirmed
Media Status Description :	Soil
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 79565863
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.66194399999998 / -122.391666

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Ground Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL SEATTLE (Continued)

S105613391

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 39' 43" / 122° 23' 30"
Media Id :	8937
Media Type Description :	Confirmed
Media Status Description :	Groundwater
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 79565863
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.661943999999998 / -122.391666

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Sediments
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 39' 43" / 122° 23' 30"
Media Id :	8939
Media Type Description :	Suspected
Media Status Description :	Sediment
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

TIME OIL SEATTLE (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Other Deleterious Substance Group : Not reported

S105613391

9
South
1/2-1
3746 ft.

DISCOVERY PARK OLD MAINT YD
DISCOVERY PARK 40TH W W EMERSON
SEATTLE, WA 98199

CSCSL S102258086
N/A

Relative:
Higher

SHWS:

Actual:
276 ft.

Facility ID: 2578
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.654527999999999 / -122.40782799999999
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
 been confirmed by laboratory analysis (or field determination in the case of
 petroleum contamination)
 Affected Media : Soil
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Not reported
 Metals - Other non-priority pollutant metals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 39' 16.3007999999996801" / 122° 24' 28.18079999999819"
 Media Id : 3828
 Media Type Description : Confirmed
 Media Status Description : Soil
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

10
ENE
1/2-1
3783 ft.

JACOBSON TERMINAL INC
5355 28 AVENUE NW
SEATTLE, WA 98107

CSCSL **U001122771**
UST **N/A**
ICR

Relative:
Lower

SHWS:

Facility ID: 33177895
 MTBE Code: Not reported
 Prog plan code : 4
 UXO Code : Not reported
 Lat/Long : 47.667842999999998 / -122.39417400000001
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action

Actual:
25 ft.

Independent Site Status - those sites undergoing an independent cleanup:
 Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
 EPA Priority Pollutants - Metals and Cyanide: Not reported
 Metals - Other non-priority pollutant medals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Not reported
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 40' 4.2400000000000002" / 122° 23' 39.030000000000001"
 Media Id : 7912
 Media Type Description : Confirmed
 Media Status Description : Groundwater
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

WA ICR:

Date Ecology Received Report: 12/29/1997
 Contaminants Found at Site: Petroleum products
 Media Contaminated: Soil
 Cause of Contamination: Not reported
 Region: North Western
 Type of Report Ecology Received: Final cleanup report
 Site Register Issue: 95-16
 County Code: 17.00000
 Contact: Not reported
 Report Title: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

JACOBSON TERMINAL INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001122771

UST:

Facility ID: 6662658
Site ID: 2499
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Closed in Place
Tank Name: 1
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 39383
Comartment ID: 39930
Decimal Latitude: 47.66730
Decimal Longitude: -122.39283
Ecology Region: North Western

Facility ID: 6662658
Site ID: 2499
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Closed in Place
Tank Name: 2
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 39473
Comartment ID: 40021
Decimal Latitude: 47.66730
Decimal Longitude: -122.39283
Ecology Region: North Western

11
ENE
1/2-1
3891 ft.

NW MARKET ST SITE
2801 NW MARKET ST
SEATTLE, WA 98107

CSCSL 1007080596
FINDS 110015573164
VCP

Relative:
Lower

FINDS:

Other Pertinent Environmental Activity Identified at Site:
WA-DOEFSS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Actual:
34 ft.

SHWS:

Facility ID: 2234
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.668399000000001 / -122.39402
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NW MARKET ST SITE (Continued)

1007080596

Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:		Not reported
Halogenated Organic Compounds:		Not reported
EPA Priority Pollutants - Metals and Cyanide:		Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:		Suspected to be present
Polychlorinated biPhenyls (PCBs):		Not reported
Pesticides:		Not reported
Petroleum Products:		Confirmed above MTCA cleanup levels
Phenolic Compounds:		Not reported
Non-Halogenated Solvents:		Suspected to be present
Dioxin:		Not reported
Polynuclear Aromatic Hydrocarbons (PAH):		Not reported
Reactive Wastes:		Not reported
Corrosive Wastes:		Suspected to be present
Radioactive Wastes:		Not reported
Asbestos:		Not reported
Conventional Contaminants, Organic:		Not reported
Conventional Contaminants, Inorganic:		Not reported
Lat/Long :	47° 40' 6.2400000000000002" / 122° 23' 38.469999999999999"	
Media Id :		2933
Media Type Description :		Confirmed
Media Status Description :		Groundwater
Tibutyl Tin Contaminant Group :		Not reported
Bioassay/benthic Failures Contam group :		Not reported
Wood Debris Contaminant Group :		Not reported
Other Deleterious Substance Group :		Not reported
Facility ID:	2234	
MTBE Code:	Not reported	
Prog plan code :	4	
UXO Code :	Not reported	
Lat/Long :	47.668399000000001 / -122.39402	
Responsible Unit:	Northwest Region	
Ecology Site Status relative to the MTCA cleanup process:	Independent Remedial Action	
Independent Site Status - those sites undergoing an independent cleanup:	Independent Site Assessment of Interim Remedial Action Report received	
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):	Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)	
Affected Media :	Soil	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:		Not reported
Halogenated Organic Compounds:		Not reported
EPA Priority Pollutants - Metals and Cyanide:		Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:		Suspected to be present
Polychlorinated biPhenyls (PCBs):		Not reported
Pesticides:		Not reported
Petroleum Products:		Confirmed above MTCA cleanup levels
Phenolic Compounds:		Not reported
Non-Halogenated Solvents:		Suspected to be present
Dioxin:		Not reported
Polynuclear Aromatic Hydrocarbons (PAH):		Not reported
Reactive Wastes:		Not reported
Corrosive Wastes:		Suspected to be present
Radioactive Wastes:		Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

NW MARKET ST SITE (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1007080596

Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 40' 6.2400000000000002" / 122° 23' 38.469999999999999"
 Media Id : 2934
 Media Type Description : Confirmed
 Media Status Description : Soil
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

VCP:

Facility ID : 2234
 WARM BIN # : 5
 Ecology Status : Independent Remedial Action
 NFA Code : Not reported
 Program Plan Code : 4

Facility ID : 2234
 WARM BIN # : 5
 Ecology Status : Independent Remedial Action
 NFA Code : Not reported
 Program Plan Code : 4

12
East
1/2-1
3907 ft.

TIME OIL CO SEATTLE TERMINAL
2737 W COMMODORE WAY
SEATTLE, WA 98199

RCRA-SQG 1000197849
CSCSL WAD009591207
FINDS
LUST
SPILLS
UST
VCP
MANIFEST
ICR

Relative:
Lower

Actual:
46 ft.

RCRAInfo:

Owner: TIME OIL CO
 (206)286-6445
 EPA ID: WAD009591207
 Contact: Not reported
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

SHWS:

Facility ID: 75486194
 MTBE Code: Not reported
 Prog plan code : 4
 UXO Code : Not reported
 Lat/Long : 47.662049000000003 / -122.39279999999999
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Final Independent Remedial Action Report received
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Soil	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:		Not reported
Halogenated Organic Compounds:		Not reported
EPA Priority Pollutants - Metals and Cyanide:		Not reported
Metals - Other non-priority pollutant metals:		Not reported
Polychlorinated biPhenyls (PCBs):		Not reported
Pesticides:		Not reported
Petroleum Products:		Confirmed above MTCA cleanup levels
Phenolic Compounds:		Not reported
Non-Halogenated Solvents:		Not reported
Dioxin:		Not reported
Polynuclear Aromatic Hydrocarbons (PAH):		Not reported
Reactive Wastes:		Not reported
Corrosive Wastes:		Not reported
Radioactive Wastes:		Not reported
Asbestos:		Not reported
Conventional Contaminants, Organic:		Not reported
Conventional Contaminants, Inorganic:		Not reported
Lat/Long :	47° 39' 43.380000000000003" / 122° 23' 34.079999999999998"	
Media Id :		9123
Media Type Description :		Confirmed
Media Status Description :		Soil
Tibutyl Tin Contaminant Group :		Not reported
Bioassay/benthic Failures Contam group :		Not reported
Wood Debris Contaminant Group :		Not reported
Other Deleterious Substance Group :		Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TIME OIL CO SEATTLE TERMINAL (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000197849

LUST:

Facility ID: 4055
Facility Status: Cleanup Started
Release ID: 2489
Release Notification Date: 9/17/1991 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: TIME OIL TERMINAL # 01-228
Lat/Lon: 47.662049 / -122.3928
Affected Media: Soil
FS ID: 75486194
Site Response Code Unit: NW

Facility ID: 4055
Facility Status: Cleanup Started
Release ID: 2489
Release Notification Date: 9/17/1991 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: TIME OIL TERMINAL # 01-228
Lat/Lon: 47.662049 / -122.3928
Affected Media: Ground Water
FS ID: 75486194
Site Response Code Unit: NW

Facility ID: 4055
Facility Status: Cleanup Started
Release ID: 5698
Release Notification Date: 10/24/1994 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: TIME OIL FISHING FLEET MAINTENANCE
Lat/Lon: 47.662049 / -122.3928
Affected Media: Soil
FS ID: 75486194
Site Response Code Unit: NW

WA SPILL:

Facility ID: 527173
Material Desc : PETROLEUM - HYDRAULIC OIL
Medium: SOIL
Material Qty: Not reported
Material Units: Not reported
Date Received: 2002-06-18 00:00:00
Contact Name: WILKENSON
Company Name: TIME OIL

WA ICR:

Date Ecology Received Report: 05/30/2000
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-26
County Code: 17.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/24/1994
Contaminants Found at Site: Petroleum products

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

Media Contaminated:	Soil
Cause of Contamination:	Tank, Spill
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	93-25
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/02/1992
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	92-15
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported
VCP:	
Facility ID :	75486194
WARM BIN # :	Not reported
Ecology Status :	Independent Remedial Action
NFA Code :	Not reported
Program Plan Code :	4
WA MANIFEST:	
Facility Site ID Number:	75486194
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD009591207
Facility Address 2:	Not reported
TAX REG NBR:	178047526
NAICS CD:	42471

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

BUSINESS TYPE: Not reported
 MAIL NAME: Time Oil Co
 MAIL ADDR LINE1: 2737 W COMMODORE WAY
 MAIL CITY,ST,ZIP: SEATTLE, WA 98199-1233
 MAIL COUNTRY: UNITED STATES
 LEGAL ORG NAME: Time Oil Co
 LEGAL ORG TYPE: Private
 LEGAL ADDR LINE1: 2737 W COMMODORE WAY
 LEGAL CITY,ST,ZIP: SEATTLE, WA 98199-1233
 LEGAL COUNTRY: UNITED STATES
 LEGAL PHONE NBR: (206)285-2400
 LEGAL EFFECTIVE DATE: 05/02/96
 LAND ORG NAME: Time Oil Co
 LAND ORG TYPE: Private
 LAND PERSON NAME: Not reported
 LAND ADDR LINE1: 2737 W COMMODORE WAY
 LAND CITY,ST,ZIP: SEATTLE, WA 98199-1233
 LAND COUNTRY: UNITED STATES
 LAND PHONE NBR: (206) 285-2400
 OPERATOR ORG NAME: Time Oil Co
 OPERATOR ORG TYPE: Private
 OPERATOR ADDR LINE1: 2737 W COMMODORE WAY
 OPERATOR CITY,ST,ZIP: SEATTLE, WA 98199-1233
 OPERATOR COUNTRY: UNITED STATES
 OPERATOR PHONE NBR: (206)285-2400
 OPERATOR EFFECTIVE DATE: 06/18/96
 SITE CONTACT NAME: Mark A Chandler
 SITE CONTACT ADDR LINE1: 2737 W COMMODORE WAY
 SITE CONTACT ZIP: SEATTLE, WA 98199-1233
 SITE CONTACT COUNTRY: UNITED STATES
 SITE CONTACT PHONE NBR: 206 285-2400
 SITE CONTACT EMAIL: mchandler@timeoil.com
 FORM CONTACT NAME: Mark A Chandler
 FORM CONTACT ADDR LINE1: 2737 W COMMODORE WAY
 FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98199-1233
 FORM CONTACT COUNTRY: UNITED STATES
 FORM CONTACT PHONE NBR: (206) 285-2400
 FORM CONTACT EMAIL: mchandler@timeoil.com
 GEN STATUS CD: XQG
 MONTHLY GENERATION: False
 BATCH GENERATION: False
 ONE TIME GENERATION: False
 TRANSPORTS OWN WASTE: False
 TRANSPORTS OTHRS WASTE: False
 RECYCLER ONSITE: False
 TRANSFER FACILITY: False
 OTHER EXEMPTION: Not reported
 UW BATTERY GEN: False
 USED OIL TRANSPORTER: False
 USED OIL TRANSFER FACILITY: False
 USED OIL PROCESSOR: False
 USED OIL REREFINER: False
 USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
 USED OIL FUEL MRKTR MEETS SPECS: False

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

UST:

Facility ID: 75486194
Site ID: 4055
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Removed
Tank Name: 202
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 34953
Comartment ID: 35456
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 9/16/1991 00:00:00
Capacity: 10,000 to 19,999 Gallons
Status: Temporarily Closed
Tank Name: 951
Substance: Not reported
Compartment #: 1
Tank ID: 12385
Comartment ID: 12576
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 9/16/1991 00:00:00
Capacity: 10,000 to 19,999 Gallons
Status: Temporarily Closed
Tank Name: 951
Substance: Not reported
Compartment #: 2
Tank ID: 12385
Comartment ID: 12577
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 1/1/1970 00:00:00
Capacity: Not reported
Status: Unknown
Tank Name: 206
Substance: Not reported
Compartment #: 1
Tank ID: 34931
Comartment ID: 35434
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

Facility ID: 75486194
Site ID: 4055
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 825
Substance: Not reported
Compartment #: 1
Tank ID: 42221
Comartment ID: 42816
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 824
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 42241
Comartment ID: 42836
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 9/24/1991 00:00:00
Capacity: 2,001 to 4,999 Gallons
Status: Temporarily Closed
Tank Name: 591
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 15216
Comartment ID: 15444
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Facility ID: 75486194
Site ID: 4055
Install Date: 9/24/1991 00:00:00
Capacity: 2,001 to 4,999 Gallons
Status: Temporarily Closed
Tank Name: 591
Substance: Not reported
Compartment #: 2
Tank ID: 15216
Comartment ID: 15445
Decimal Latitude: 47.66205
Decimal Longitude: -122.39280
Ecology Region: North Western

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIME OIL CO SEATTLE TERMINAL (Continued)

1000197849

Facility ID: 75486194
 Site ID: 4055
 Install Date: 12/31/1964 00:00:00
 Capacity: Not reported
 Status: Removed
 Tank Name: 736
 Substance: Unleaded Gasoline
 Compartment #: 1
 Tank ID: 40323
 Comartment ID: 40892
 Decimal Latitude: 47.66205
 Decimal Longitude: -122.39280
 Ecology Region: North Western

**13
 ESE
 1/2-1
 4869 ft.**

**SHINING OCEAN
 2440 W COMMODORE WAY
 SEATTLE, WA 98199**

**CSCSL S104971214
 N/A**

**Relative:
 Lower**

SHWS:

Facility ID: 31234452
 MTBE Code: Not reported
 Prog plan code : 4
 UXO Code : Not reported
 Lat/Long : 47.660649999999997 / -122.39541
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
 Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Not reported
 Metals - Other non-priority pollutant medals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 39' 38.340000000000003" / 122° 23' 43.469999999999999"
 Media Id : 7803
 Media Type Description : Confirmed
 Media Status Description : Groundwater
 Tributyl Tin Contaminant Group : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SHINING OCEAN (Continued)

S104971214

Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

Facility ID: 31234452
 MTBE Code: Not reported
 Prog plan code : 4
 UXO Code : Not reported
 Lat/Long : 47.66064999999997 / -122.39541
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action
 Independent Site Status - those sites undergoing an independent cleanup:
 Final Independent Remedial Action Report received
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
 been confirmed by laboratory analysis (or field determination in the case of
 petroleum contamination)

Affected Media : Soil
 Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Not reported
 Metals - Other non-priority pollutant medals: Not reported
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Not reported
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Not reported
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Not reported
 Conventional Contaminants, Inorganic: Not reported
 Lat/Long : 47° 39' 38.34000000000003" / 122° 23' 43.46999999999999"

Media Id : 7802
 Media Type Description : Confirmed
 Media Status Description : Soil
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

14
 ESE
 1/2-1
 5154 ft.

WASHINGTON MARINE ENG CORP
4403 24TH AVE W
SEATTLE, WA 98199

CSCSL S104320399
N/A

Relative:
Lower

SHWS:
 Facility ID: 2281
 MTBE Code: Not reported
 Prog plan code : 3
 UXO Code : Not reported
 Lat/Long : 47.65955999999999 / -122.38755
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action

Actual:
60 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WASHINGTON MARINE ENG CORP (Continued)

S104320399

Independent Site Status - those sites undergoing an independent cleanup:
 Independent Site Assessment of Interim Remedial Action Report received
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Confirmed above MTCA cleanup levels
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 39' 34.42000000000002" / 122° 23' 15.18"
Media Id :	3072
Media Type Description :	Confirmed
Media Status Description :	Soil
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 2281
 MTBE Code: Not reported
 Prog plan code : 3
 UXO Code : Not reported
 Lat/Long : 47.659559999999999 / -122.38755
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
 Independent Site Assessment of Interim Remedial Action Report received
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Suspected to be present
Polychlorinated biPhenyls (PCBs):	Suspected to be present
Pesticides:	Not reported
Petroleum Products:	Suspected to be present

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

WASHINGTON MARINE ENG CORP (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S104320399

Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 39' 34.420000000000002" / 122° 23' 15.18"
Media Id :	3073
Media Type Description :	Suspected
Media Status Description :	Groundwater
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

**15
 ESE
 1/2-1
 5171 ft.**

**ER & JR SUTTER LLC
 2360 W COMMODORE WAY
 SEATTLE, WA 98199**

**RCRA-SQG 1000218847
 CSCSL WAD121165831
 FINDS
 SPILLS
 MANIFEST**

**Relative:
 Lower**

RCRAInfo:
 Owner: ER & JR SUTTER LLC
 206282-3746
 EPA ID: WAD121165831
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

**Actual:
 44 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
 WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

SHWS:

Facility ID: 2069
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.660490000000003 / -122.38658
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Surface Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Confirmed above MTCA cleanup levels
Conventional Contaminants, Inorganic:	Confirmed above MTCA cleanup levels
Lat/Long :	47° 39' 37.759999999999998" / 122° 23' 11.69"
Media Id :	2585
Media Type Description :	Confirmed
Media Status Description :	Surface Water
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 2069
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.660490000000003 / -122.38658

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Sediments
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Confirmed above MTCA cleanup levels
 Conventional Contaminants, Inorganic: Confirmed above MTCA cleanup levels
 Lat/Long : 47° 39' 37.75999999999998" / 122° 23' 11.69"
 Media Id : 2586
 Media Type Description : Confirmed
 Media Status Description : Sediment
 Tributyl Tin Contaminant Group : C
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

Facility ID: 2069
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.660490000000003 / -122.38658
 Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)
 Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Not reported
 EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
 Metals - Other non-priority pollutant medals: Confirmed above MTCA cleanup levels
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Suspected to be present
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Confirmed above MTCA cleanup levels
 Conventional Contaminants, Inorganic: Confirmed above MTCA cleanup levels
 Lat/Long : 47° 39' 37.75999999999998" / 122° 23' 11.69"
 Media Id : 2587
 Media Type Description : Confirmed
 Media Status Description : Soil
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

Other Deleterious Substance Group : Not reported

Facility ID: 2069
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.660490000000003 / -122.38658

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Ground Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Confirmed above MTCA cleanup levels
Conventional Contaminants, Inorganic:	Confirmed above MTCA cleanup levels
Lat/Long :	47° 39' 37.759999999999998" / 122° 23' 11.69"
Media Id :	2588
Media Type Description :	Confirmed
Media Status Description :	Groundwater
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 2069
 MTBE Code: Not reported
 Prog plan code : Not reported
 UXO Code : Not reported
 Lat/Long : 47.660490000000003 / -122.38658

Responsible Unit: Northwest Region
 Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

ER & JR SUTTER LLC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000218847

petroleum contamination)
 Affected Media : Air
 Arsenic Code: Not reported
 Base/Neutral/Acid Organics: Not reported
 Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
 EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
 Metals - Other non-priority pollutant medals: Confirmed above MTCA cleanup levels
 Polychlorinated biPhenyls (PCBs): Not reported
 Pesticides: Suspected to be present
 Petroleum Products: Confirmed above MTCA cleanup levels
 Phenolic Compounds: Not reported
 Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
 Dioxin: Not reported
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported
 Reactive Wastes: Not reported
 Corrosive Wastes: Not reported
 Radioactive Wastes: Not reported
 Asbestos: Not reported
 Conventional Contaminants, Organic: Confirmed above MTCA cleanup levels
 Conventional Contaminants, Inorganic: Confirmed above MTCA cleanup levels
 Lat/Long : 47° 39' 37.759999999999998" / 122° 23' 11.69"
 Media Id : 2589
 Media Type Description : Confirmed
 Media Status Description : Air
 Tributyl Tin Contaminant Group : Not reported
 Bioassay/benthic Failures Contam group : Not reported
 Wood Debris Contaminant Group : Not reported
 Other Deleterious Substance Group : Not reported

WA SPILL:

Facility ID: 423982
 Material Desc : PETROLEUM - DIESEL FUEL
 Medium: SURFACE WATER-FRESH
 Material Qty: 10
 Material Units: GALLON
 Date Received: 1996-05-14 00:00:00
 Contact Name: MERRELL
 Company Name: UNKNOWN

WA MANIFEST:

Facility Site ID Number: 2069
 Permit by Rule: False
 Treatment by Generator: False
 Mixed radioactive waste: False
 Importer of hazardous waste: False
 Immediate recycler: False
 Treatment/Storage/Disposal/Recycling Facility: False
 Generator of dangerous fuel waste: False
 Generator marketing to burner: False
 "Other marketers (i.e., blender, distributor, etc.)": False
 Utility boiler burner: False
 Industry boiler burner: False
 Industrial Furnace: False
 Smelter defferal: False
 Universal waste - batteries - generate: False
 Universal waste - thermostats - generate: False
 Universal waste - mercury - generate: False
 Universal waste - lamps - generate: False

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD121165831
Facility Address 2: Not reported
TAX REG NBR: 574033701
NAICS CD: 53139
BUSINESS TYPE: Not reported
MAIL NAME: ER & JR Sutter LLC
MAIL ADDR LINE1: 425 Pontius Ave N Ste 203
MAIL CITY,ST,ZIP: SEATTLE, WA 98109-5450
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: ER & JR Sutter LLC
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 425 Pontius Ave N Ste 203
LEGAL CITY,ST,ZIP: SEATTLE, WA 98109-5450
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 206282-3746
LEGAL EFFECTIVE DATE: 02/12/03
LAND ORG NAME: ER & JR Sutter LLC
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 425 Pontius Ave N Ste 203
LAND CITY,ST,ZIP: SEATTLE, WA 98109-5450
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)282-3746
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 425 Pontius Ave N Ste 203
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98109-5450
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 206-268-3313
OPERATOR EFFECTIVE DATE: 02/12/03
SITE CONTACT NAME: Wayne Wenzel
SITE CONTACT ADDR LINE1: 425 Pontius Ave N Ste 203
SITE CONTACT ZIP: SEATTLE, WA 98109-5450
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 206-268-3313
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Wayne Wenzel
FORM CONTACT ADDR LINE1: 425 Pontius Ave N Ste 203
FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98109-5450
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 206-268-3313
FORM CONTACT EMAIL: wwenzel@yateswood.com
GEN STATUS CD: XQG
MONTHLY GENERATION: False
BATCH GENERATION: False
ONE TIME GENERATION: True
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACILITY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False
Facility Site ID Number:	2069
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter deferral:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD121165831
Facility Address 2:	Not reported
TAX REG NBR:	574033701
NAICS CD:	53139
BUSINESS TYPE:	Not reported
MAIL NAME:	ER & JR Sutter LLC
MAIL ADDR LINE1:	425 Pontius Ave N Ste 203
MAIL CITY,ST,ZIP:	SEATTLE, WA 98109-5450
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	ER & JR Sutter LLC
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	425 Pontius Ave N Ste 203
LEGAL CITY,ST,ZIP:	SEATTLE, WA 98109-5450
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	206282-3746
LEGAL EFFECTIVE DATE:	02/12/03
LAND ORG NAME:	ER & JR Sutter LLC
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	425 Pontius Ave N Ste 203
LAND CITY,ST,ZIP:	SEATTLE, WA 98109-5450

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ER & JR SUTTER LLC (Continued)

1000218847

LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)282-3746
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 425 Pontius Ave N Ste 203
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98109-5450
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 206-268-3313
OPERATOR EFFECTIVE DATE: 02/12/03
SITE CONTACT NAME: Wayne Wenzel
SITE CONTACT ADDR LINE1: 425 Pontius Ave N Ste 203
SITE CONTACT ZIP: SEATTLE, WA 98109-5450
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 206-268-3313
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Wayne Wenzel
FORM CONTACT ADDR LINE1: 425 Pontius Ave N Ste 203
FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98109-5450
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 206-268-3313
FORM CONTACT EMAIL: wwenzel@yateswood.com
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: False
ONE TIME GENERATION: True
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

C16
ENE
1/2-1
5193 ft.

SERVICE STATION FORMER
5600-5614 24TH AVE NW
SEATTLE, WA 98107

CSCSL S106495768
N/A

Site 1 of 2 in cluster C

Relative:
Lower

SHWS:

Actual:
63 ft.

Facility ID: 1738043
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.669722 / -122.38722199999999
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Release report received, awaiting assessment by Potentially Liable Person (PLP)
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SERVICE STATION FORMER (Continued)

S106495768

petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 40' 10.999200000000499" / 122° 23' 13.999199999979099"
Media Id : 10491
Media Type Description : Confirmed
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 1738043
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.669722 / -122.38722199999999
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
Release report received, awaiting assessment by Potentially Liable Person (PLP)
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SERVICE STATION FORMER (Continued)

S106495768

Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 40' 10.999200000000499" / 122° 23' 13.999199999979099"
Media Id :	10490
Media Type Description :	Confirmed
Media Status Description :	Soil
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

C17
ENE
1/2-1
5206 ft.

CHUCKS BALLARD SVC
5615 24TH NW
SEATTLE, WA 98107

CSCSL 1007063330
FINDS 110015398755
VCP

Site 2 of 2 in cluster C

Relative:
Lower

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Actual:
64 ft.

SHWS:

Facility ID:	89935929
MTBE Code:	Not reported
Prog plan code :	4
UXO Code :	Not reported
Lat/Long :	47.669328999999998 / -122.38874
Responsible Unit:	Northwest Region
Ecology Site Status relative to the MTCA cleanup process:	Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:	Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):	
Affected Media Status:	C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CHUCKS BALLARD SVC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1007063330

Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 40' 9.5800000000000001" / 122° 23' 19.4600000000000001"
Media Id : 11738
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

VCP:

Facility ID : 89935929
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KING COUNTY	S105806021	HOUGHTON	NORTHWEST OF N.E. 60TH ST. AND		SWF/LF
KING COUNTY	S105806026	PUYALLUP/KIT CORNER	NORTHEAST OF S. 360TH ST. AND		SWF/LF
KING COUNTY	S105806033	VASHON ISLAND	WEST OF 130TH AVE. S.W. ACROSS		SWF/LF
KING COUNTY	S105806036	HOUGHTON ABANDONED LANDFILL	EAST OF I-405, IMMEDIATELY NOR		SWF/LF
KING COUNTY	S105806019	FALL CITY ABANDONED LANDFILL	OLD DUMP RD. AT FIRST ROAD BEN		SWF/LF
SEATTLE	S105805988	INTERBAY	15TH AVENUE WEST SOUTH OF WEST		SWF/LF
SEATTLE	S104223669	SR 99 & FIRST AVE. BRIDGE SPILL/WS	SR 99 / FIRST AVE. BRIDGE		ICR
SEATTLE	1009218936	LOCKHEED SHIPYARD NO. 2	ADJACENT TO PORT OF SEATTLE		CERCLIS
SEATTLE	S105805999	SIXTH SOUTH AND SOUTH OF SPOKANE	2900 BLOCK OF SIXTH AVENUE SOU		SWF/LF
SEATTLE	S106109618	POSSIBLY FROM VESSEL ROBERT N.	SOUTH END OF WEST WALL		SPILLS
SEATTLE	S106123671	SEATTLE MONORAIL PROJECT	GREEN LINE BALLARD TO W SEATTL		CSCSL, VCP
SEATTLE	1001490504	SEATTLE CITY PARKS RECREAT	3700 W KANSAS DISCOVERY PARK	98199	RCRA-SQG, FINDS
SEATTLE	S105124721	TIME OIL/BILL'S TIRES	4910 NW LEARY WAY	98107	CSCSL, ICR
SEATTLE	U003025542	ARNOLD'S DELI	2654 NW MARKET ST.	98107	LUST, CSCSL NFA, ICR
SEATTLE	S105805989	GENESEE LANDFILL	NORTH OF SOUTH ALASKA STREET T		SWF/LF
SEATTLE	S105805990	MONTLAKE DISPOSAL SITE	EAST OF MONTLAKE BOULEVARD, SO		SWF/LF
SEATTLE	S105805991	NORTH AURORA DISPOSAL SITE	EAST OF STONE AVENUE NORTH, SO		SWF/LF
SEATTLE	S105805992	WEST SEATTLE - HARBOR AVENUE	EAST OF HARBOR AVENUE SOUTHWES		SWF/LF
SEATTLE	S105805993	SOUTH PARK	EAST OF FIRST AVENU - SOUTH, S		SWF/LF
SEATTLE	S105805995	JUDKINS STREET DISPOSAL SITE	WEST OF 22ND AVENUE SOUTH, SOU		SWF/LF
SEATTLE	S105805997	RAINIER LANDFILL	EAST OF RAINIER AVENUE SOUTH,		SWF/LF
SEATTLE	S105805998	SICKS STADIUM SITE	EAST OF RAINIER AVENUE SOUTH,		SWF/LF
SEATTLE	S106239226	A & R SAWING & DRILLING	I-5 SB BEFORE M L KING WAY EXI		SPILLS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/21/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

CSCSL: Confirmed & Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/22/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 17

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 06/06/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Semi-Annually

CSCSL NFA: Confirmed & Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/2004
Date Data Arrived at EDR: 01/06/2005
Date Made Active in Reports: 02/02/2005
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 07/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 07/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/08/2006
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 38

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 12/13/2005
Date Data Arrived at EDR: 12/14/2005
Date Made Active in Reports: 01/16/2006
Number of Days to Update: 33

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Varies

MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/31/2006
Number of Days to Update: 37

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Annually

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/31/2006
Number of Days to Update: 48

Source: Department of Ecology
Telephone: 360-407-7450
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

INST CONTROL: Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/06/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

ICR: Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 20

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Varies

EMI: Washington Emissions Data System

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners A listing of inactive drycleaner facility locations.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/14/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/05/2006
Date Data Arrived at EDR: 04/05/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 8

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

KITSAP COUNTY:

Water Wells in Kitsap County

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Sites of Record at Snohomish Health District

Date of Government Version: 01/26/2006	Source: Snohomish Health District
Date Data Arrived at EDR: 05/01/2006	Telephone: 206-339-5250
Date Made Active in Reports: 05/31/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002	Source: Tacoma-Pierce County Health Department
Date Data Arrived at EDR: 03/24/2003	Telephone: 206-591-6500
Date Made Active in Reports: 05/14/2003	Last EDR Contact: 03/19/2003
Number of Days to Update: 51	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/04/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 03/17/2006

Date Made Active in Reports: 05/02/2006

Number of Days to Update: 46

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 07/11/2006

Next Scheduled EDR Contact: 10/09/2006

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2LT ROBERT R. LEISY/AMSA #79
4570 TEXAS WAY
SEATTLE, WA 98199

TARGET PROPERTY COORDINATES

Latitude (North):	47.66420 - 47° 39' 51.1"
Longitude (West):	122.4072 - 122° 24' 25.9"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	544507.8
UTM Y (Meters):	5278930.0
Elevation:	141 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	47122-F4 SHILSHOLE BAY, WA
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

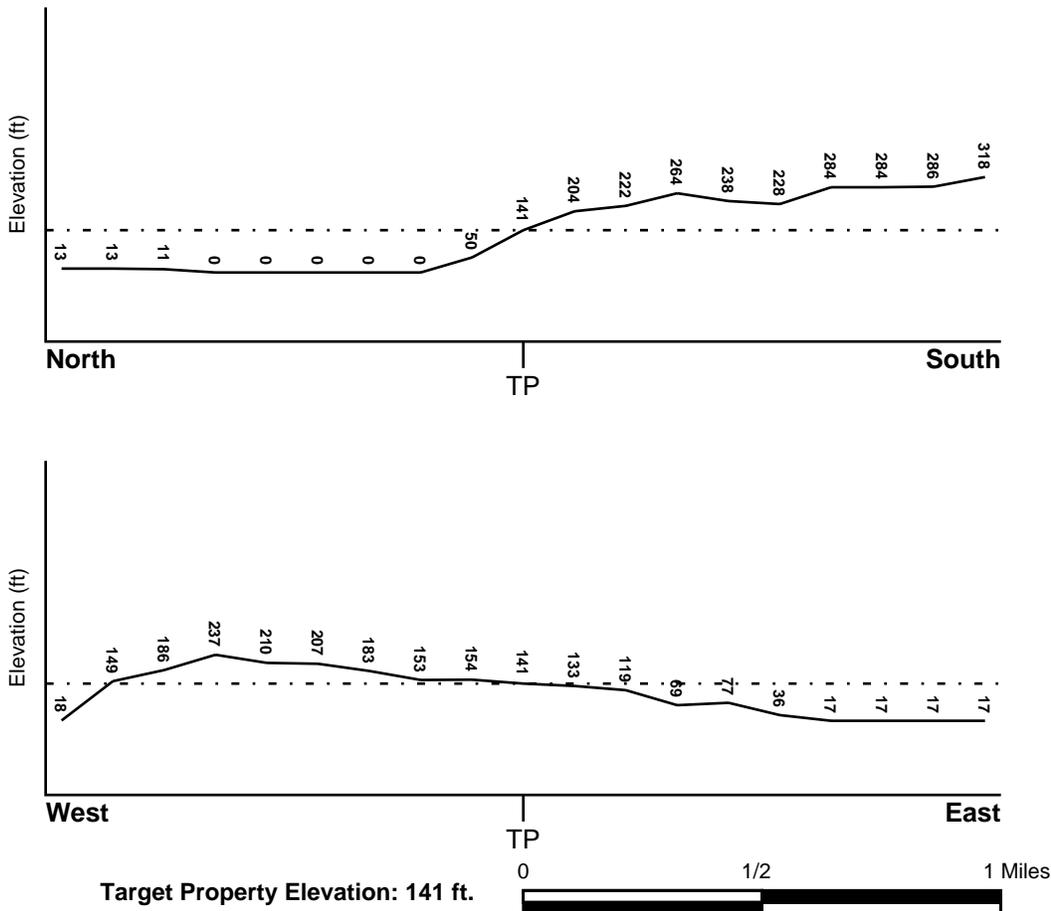
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
KING, WA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 53033C0320F

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SHILSHOLE BAY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles East
Site Name:	HONEYWELL INC.
Site EPA ID Number:	WAD010215184
Groundwater Flow Direction:	S TOWARD SALMON BAY
Inferred Depth to Water:	less than 5 feet
Hydraulic Connection:	The near-surface deposits include sand and gravel to a depth of approximately 36 feet and gravel interbedded with clay to a depth of 123 feet.
Sole Source Aquifer:	A sole source aquifer is not present at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
14	1/2 - 1 Mile ENE	S

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
15	1/2 - 1 Mile ESE	WSW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: PILCHUCK

Soil Surface Texture: loamy sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	20 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.60
3	38 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 6.10
4	60 inches	70 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
silt loam
silty clay loam
gravelly - loam
gravelly - coarse sand
muck
loam

Surficial Soil Types: fine sandy loam
silt loam
silty clay loam
gravelly - loam
gravelly - coarse sand
muck
loam

Shallow Soil Types: fine sandy loam

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silty clay loam
 silt loam
 peaty - silt loam
 loam
 sandy loam

Deeper Soil Types: silt loam
 silty clay loam
 very gravelly - coarse sand
 stratified
 loamy fine sand
 very gravelly - sand
 sapric material
 sand
 very gravelly - loamy sand
 loamy sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS3278564	1/2 - 1 Mile SSW
A2	USGS3278563	1/2 - 1 Mile SSW
A3	USGS3278570	1/2 - 1 Mile SSW
A4	USGS3278571	1/2 - 1 Mile SSW
A5	USGS3278566	1/2 - 1 Mile SSW
A6	USGS3278573	1/2 - 1 Mile SSW
A7	USGS3278562	1/2 - 1 Mile SSW
A8	USGS3278569	1/2 - 1 Mile SSW
A9	USGS3278567	1/2 - 1 Mile SSW
A10	USGS3278565	1/2 - 1 Mile SSW
A11	USGS3278561	1/2 - 1 Mile SSW
A12	USGS3278572	1/2 - 1 Mile SSW
A13	USGS3278568	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

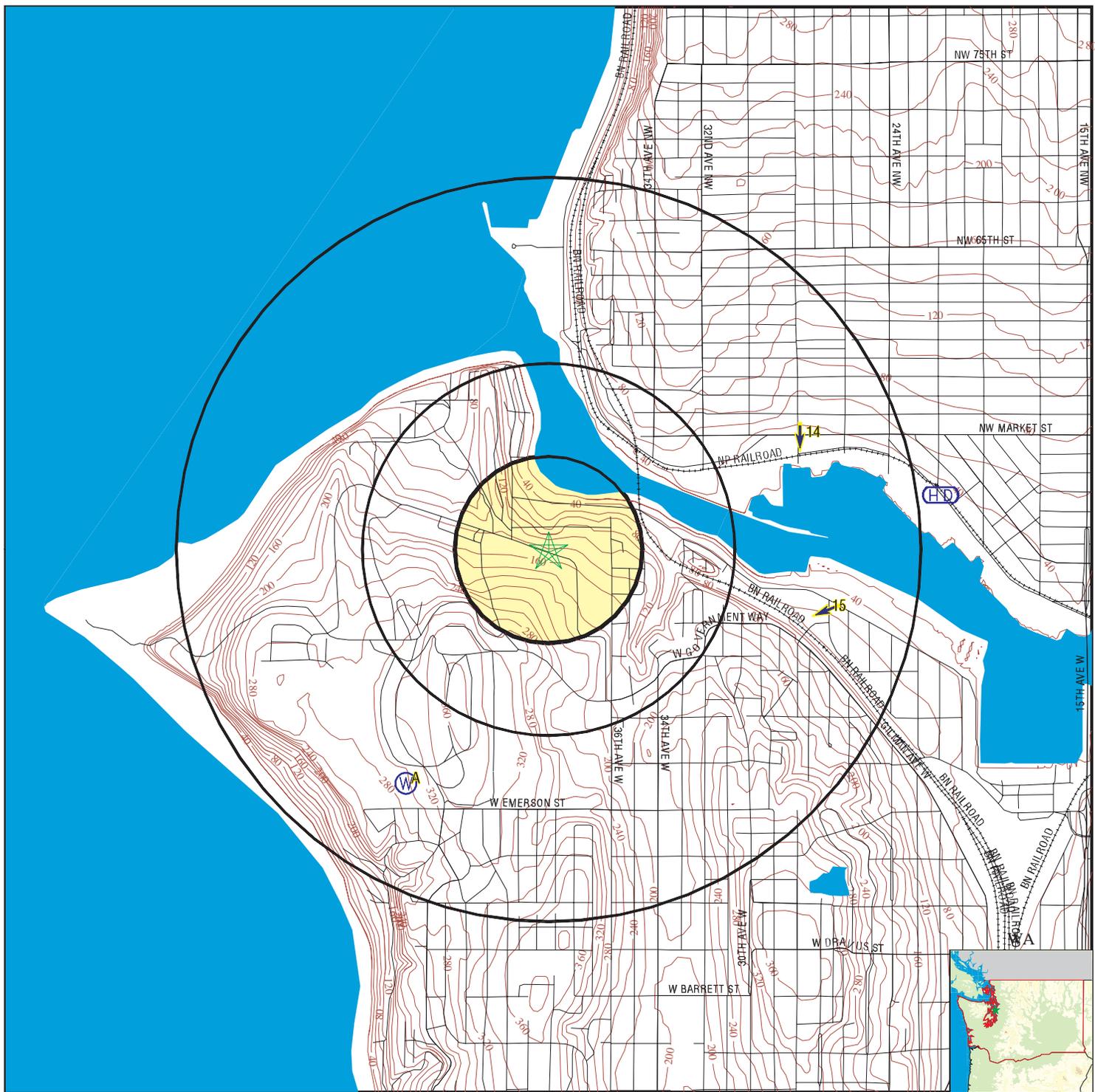
MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1722159.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: 2LT Robert R. Leisy/AMSA #79
 ADDRESS: 4570 Texas Way
 Seattle WA 98199
 LAT/LONG: 47.6642 / 122.4072

CLIENT: FMSM Engineers
 CONTACT: Rob Newman
 INQUIRY #: 1722159.2s
 DATE: July 25, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278564

Agency cd:	USGS	Site no:	473919122245104
Site name:	25N/03E-15E04		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	geologist	Hole depth:	2.2
Real time data flag:	Not Reported	Project number:	WA29700
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

A2
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278563

Agency cd:	USGS	Site no:	473919122245103
Site name:	25N/03E-15E03		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	2.2
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A3
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278570

Agency cd:	USGS	Site no:	473919122245110
Site name:	25N/03E-15E10		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	3
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-01-14
Water quality data end date:	1993-01-14	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**A4
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278571

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473919122245111
Site name:	25N/03E-15E11		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	geologist	Hole depth:	2.2
Real time data flag:	0	Project number:	WA29700
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1993-01-14	Water quality data begin date:	1993-01-14
Ground water data begin date:	0000-00-00	Water quality data count:	1
Ground water data count:	0	Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

**A5
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278566

Agency cd:	USGS	Site no:	473919122245106
Site name:	25N/03E-15E06		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	geologist	Hole depth:	.3
Real time data flag:	0	Project number:	WA29700
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
		Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1993-01-14
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 1993-01-14
 Water quality data count: 1
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

A6
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278573

Agency cd:	USGS	Site no:	473919122245113
Site name:	25N/03E-15F13		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SE NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	geologist		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Hole depth:	.3
Peak flow data begin date:	0000-00-00	Project number:	WA29700
Peak flow data count:	0	Daily flow data begin date:	0000-00-00
Water quality data end date:	1993-01-14	Daily flow data count:	0
Ground water data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Ground water data count:	0	Water quality data begin date:	1993-01-14
		Water quality data count:	1
		Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

A7
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278562

Agency cd:	USGS	Site no:	473919122245102
Site name:	25N/03E-15E02		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	2.2
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A8
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278569

Agency cd:	USGS	Site no:	473919122245109
Site name:	25N/03E-15E09		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	4.5
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-01-14
Water quality data end date:	1993-01-14	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A9
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278567

Agency cd:	USGS	Site no:	473919122245107
Site name:	25N/03E-15E07		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	geologist	Hole depth:	.3
Real time data flag:	0	Project number:	WA29700
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0	Daily flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00	Peak flow data count:	0
Peak flow data end date:	0000-00-00	Water quality data begin date:	1993-01-14
Peak flow data count:	0	Water quality data end date:	1993-01-14
Water quality data begin date:	1993-01-14	Water quality data count:	1
Water quality data end date:	1993-01-14	Ground water data begin date:	0000-00-00
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A10
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3278565

Agency cd:	USGS	Site no:	473919122245105
Site name:	25N/03E-15E05		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	.3
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-01-14
Water quality data end date:	1993-01-14	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**A11
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278561

Agency cd:	USGS	Site no:	473919122245101
Site name:	25N/03E-15E01		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	2.2
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A12
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278572

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473919122245112
Site name:	25N/03E-15E12		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	.8
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-01-14
Water quality data end date:	1993-01-14	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**A13
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3278568

Agency cd:	USGS	Site no:	473919122245108
Site name:	25N/03E-15E08		
Latitude:	473919		
Longitude:	1222451	Dec lat:	47.65509768
Dec lon:	-122.41540759	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	SW NW S15 T25N R03E W
Location map:	SHILSHOLE BAY	Map scale:	24000
Altitude:	285	Altitude method:	M
Altitude accuracy:	15	Altitude datum:	NGVD29
Hydrologic:	Lake Washington. Washington. Area = 619 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19930114
Date inventoried:	19930114	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	.3
Source of depth data:	geologist	Project number:	WA29700
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1993-01-14
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 1993-01-14
 Water quality data count: 1
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

14 ENE 1/2 - 1 Mile Lower	Site ID: 4627 Groundwater Flow: S Shallowest Water Table Depth: 9 Deepest Water Table Depth: 13.5 Average Water Table Depth: Not Reported Date: 12/28/1993	AQUIFLOW	61481
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15 ESE 1/2 - 1 Mile Lower	Site ID: 5488 Groundwater Flow: WSW Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 3 Date: 02/13/1998	AQUIFLOW	41800
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KING County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98199

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.380 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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